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DRAFTING
Cotton Garments and Mackinaws

By Harry Simons

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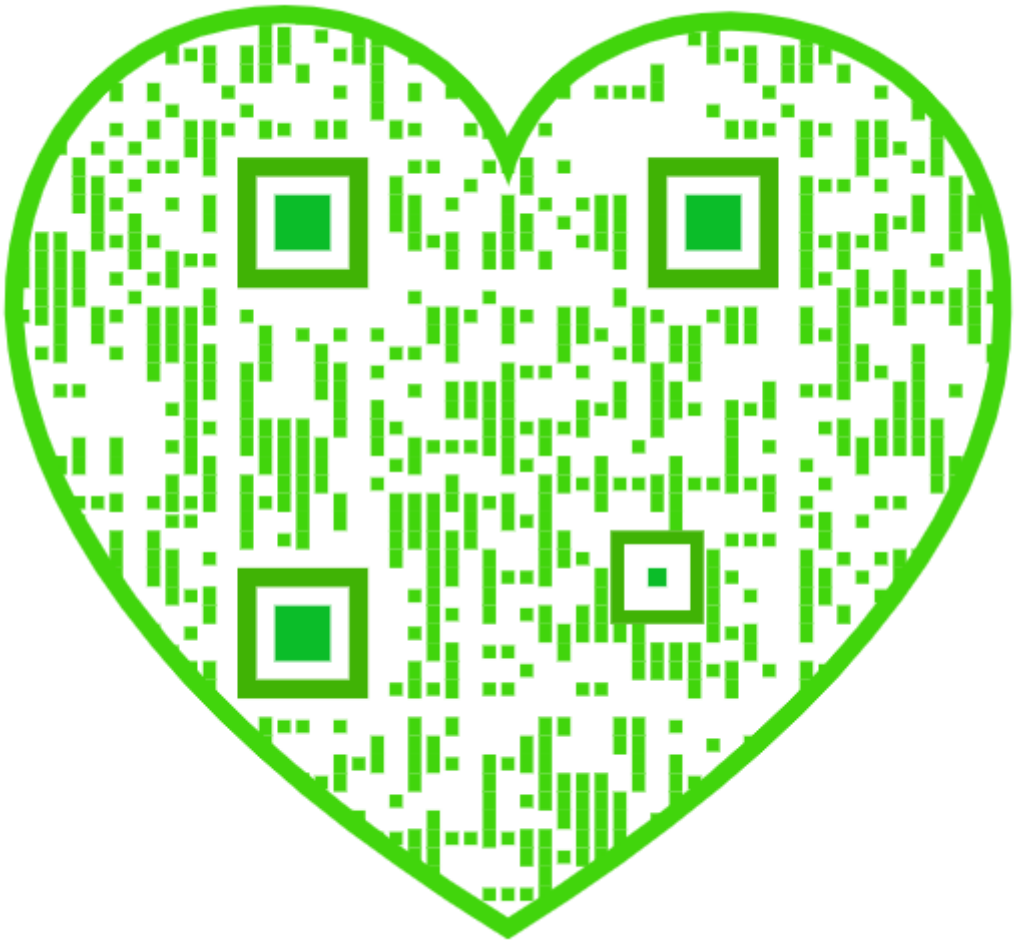

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DRAFTING

Cotton Garments and Mackinaws

By

Harry Simons

Technical Editor of The Clothing Designer & Manufacturer and Author *of* "Science of Grading"; "Designing Overcoats"; "Drafting Pants and Overalls"; "Designing Sack Coats, Dress Coats and Vests"

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Introduction

THE drafting of Cotton Garments and Mackinaws sa explained in this volume, is very simple and can be easily understood by the ordinary layman.

¶ The system which is minutely described can be depended upon to give the reader immediate and satisfactory results. The author has endeavored to explain to the reader the different allowances to be used on various style garments as well as the variety of fabrics.

¶ The drafts are all made by the proportionate method, using the breast measure as the keynote and guide to obtain the sectional measurements.

¶ Every style garment can be created from the points described in this book.

¶ It is the intention of the author in publishing this book to give to the Cotton Garment Industry a thoroly reliable and simple method of drafting the various Cotton Garments that they manufacture.

HARRY SIMONS, Author

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Preliminary Instruction

THE drafts illustrated in this book are either size 36 or 38, except in the case of stouts, which are drafted size 40. These are considered the model sizes that are generally used in the "ready-made" houses. When a model is perfected and passed upon, as is the usual custom, it is then graded up and down to the various sizes required.

For the Beginner

In drafting these garments, a knowledge of the tailor square is absolutely essential; otherwise the student will become confused. When a sixth of breast is quoted, the average student will immediately say 1/6 of 36 is 6 inches. In the case of drafting 1/6 of 36 is 1/6 of 18 on the sixth scale, inasmuch as only **one** side of the garment is drafted. The only place throughout the system where this differs is on the breast measure, where one-half of the actual measure of draft is applied. For example, if the breast measure is 36 inches, 18 inches is given.

All regular sack models are figured on a basis of 5 feet 8 inches in height. The sleeve inseam is figured 18 inches. The draft on creating longs and shorts explains clearly how the heights are figured.

A full list of proportions will be found on the last page of this book, which will act as a guide to draft the various sizes.

In drafting for wholesale or "ready-made" concerns, no short measures are necessary. The proportions are figured on the average built model for the given size of an average height The system here taught will automatically bring out the various sectional measures by using the divisions of the breast measure.

Memorizing Imperative

It is absolutely imperative to memorize the text of the first three diagrams, as the entire method is based on the points explained in them There are slight deviations on some of the other drafts to get the desired effects. These changes are explained wherever they appear.

Every point that is necessary in the drafting of Cotton Garments and Mackinaws will be found within the pages of this book. Some of the best known designers attribute their success to the use of this system, as it is so simple and efficient. The best possible results as to balance and fit have been obtained through it for years.

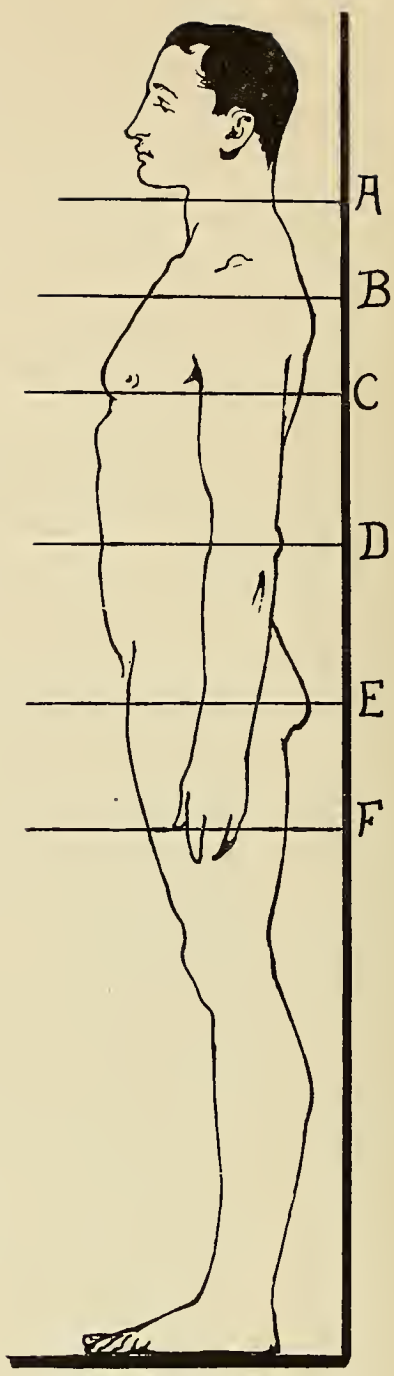
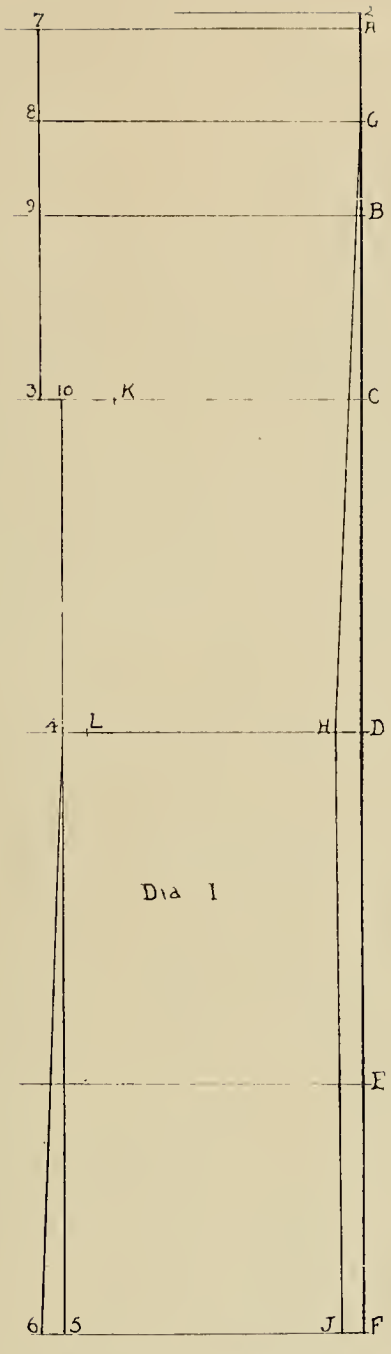


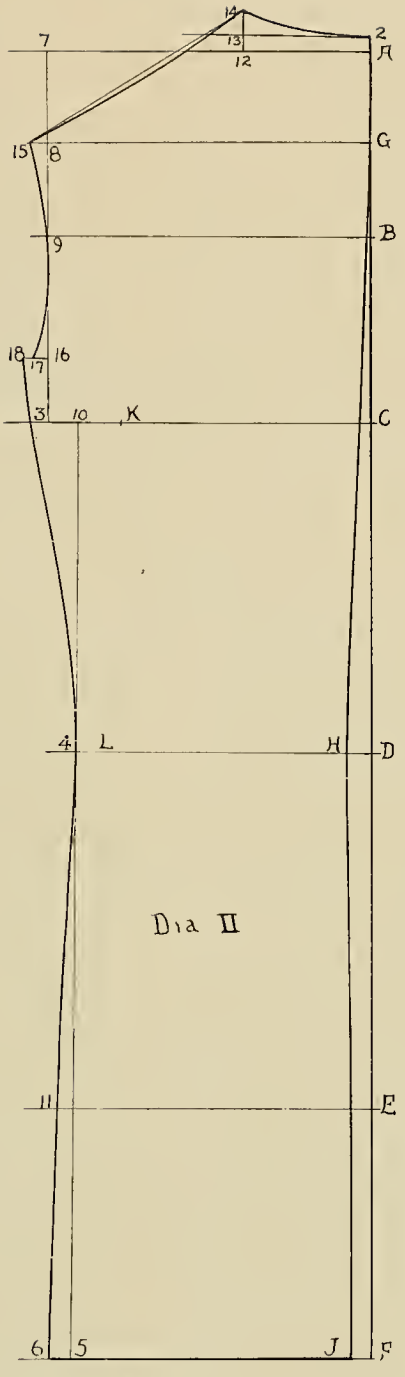
Diagram A

It is not a matter of guess or theory. It is the results of twenty-five years' experience with the largest concerns in the country. No designer or cutter need hesitate to use this system

Diagram A. This explains the location of the measurements taken.

Line **A** is the neck point.
Line **B** is the height of shoulder.
Line **C** is the breast line.
Line **D** is the waistline.
Line **E** is the seat line.
Line **F** is the length of sack. If an overcoat, the length is made accordingly.





Construction Lines for Drafting the Back

THIS draft explains the points on the back for conservative Palm Beach sack coat. Allowances should be made for double needle machine.

Measurements: Breast 36 inches.

Draw line 2-A-G-B-C-D-E-F.

2 to **A** is ⅜ inch.

B is ¼ of 19 from A. This you will note is figured on a basis of 2 sizes larger than the breast measure. This only applies to the depth of scye.

C is ½ of 19 from A.

D is 17½ inches from A, ¼ of the total height, 5 feet 8 inches.

E is 23 inches from A.

F is the full length, 30 inches in this case.

G is half way between A and B.

Square out from points 2-A-G-B-C-D-E-F.

H is ¾ inch from D.

J is ½ inch from F.

Draw line G-H-F.

K is 1/3 of 18 from C.

K to 3 is 2 inches.

Square up from 3 to 7, which will establish points 8 and 9.

L is 1/3 of breast from H.

L to 4 is ½ inch.

Square up and down from 4.

5 is squared from 4.

10 is squared from 4.

6 is ½ inch from 5.

DRAFTING THE BACK.

Continue from Diagram 1.

12 is 1/6 of breast from A.

13 is squared from 12.

14 is ⅝ from 13.

Draw line 2-14.

15 is ½ inch from 8.

Draw line 14-15.

16 is 1/12 of breast from 3.

17 is ⅜ from 16.

18 is ¼ from 17.

Shape the line 15-18 and then draw the center seam and side-seam, which finishes the back.

(Continued on next page)

Drafting the Forepart

(Conservative Sack)

Diagram III

The back of this draft is drafted the same as the previous diagram.

20 is 2/3 of 18 from C.

21 is 1½ inches from 20.

Square up from 21 to 22.

22 to 23 is 1/6 of breast plus ½ inch.

Draw line 23-15.

23 to 25 is ¼ inch less than 14 to 15.

26 is ⅜ from 25.

Shape the shoulder and armhole 26-23 and 26-27.

17 to **X** is ¼ inch.

28 is ¾ inch from 4.

29 is 2¼ inches from 11.

30 is the length of side-seam of forepart which is the same as 18-6.

Shape the side-seam, as illustrated.

31 is 18 inches from 24, ½ of the actual breast measure.

32 is 2½ inches from 31.

33 is 1½ inches from 32.

34 is squared from 33.

35 is 1/6 of breast from 34.

Shape the gorge 23-35.

36 is 2 inches from 35.

37 is squared from 33.

38 is ¾ inch from 37.

39 is squared from 21.

40 is squared from 37.

41 is obtained by sweeping the distance 23-30 from 30, using point 23 as a pivot.

42 is obtained by squaring line 38-39.

43 is 2/3 of the breast from 21.

44 and 45 are 3¼ inches each from 43.

Shape the front and bottom, which completes the draft.

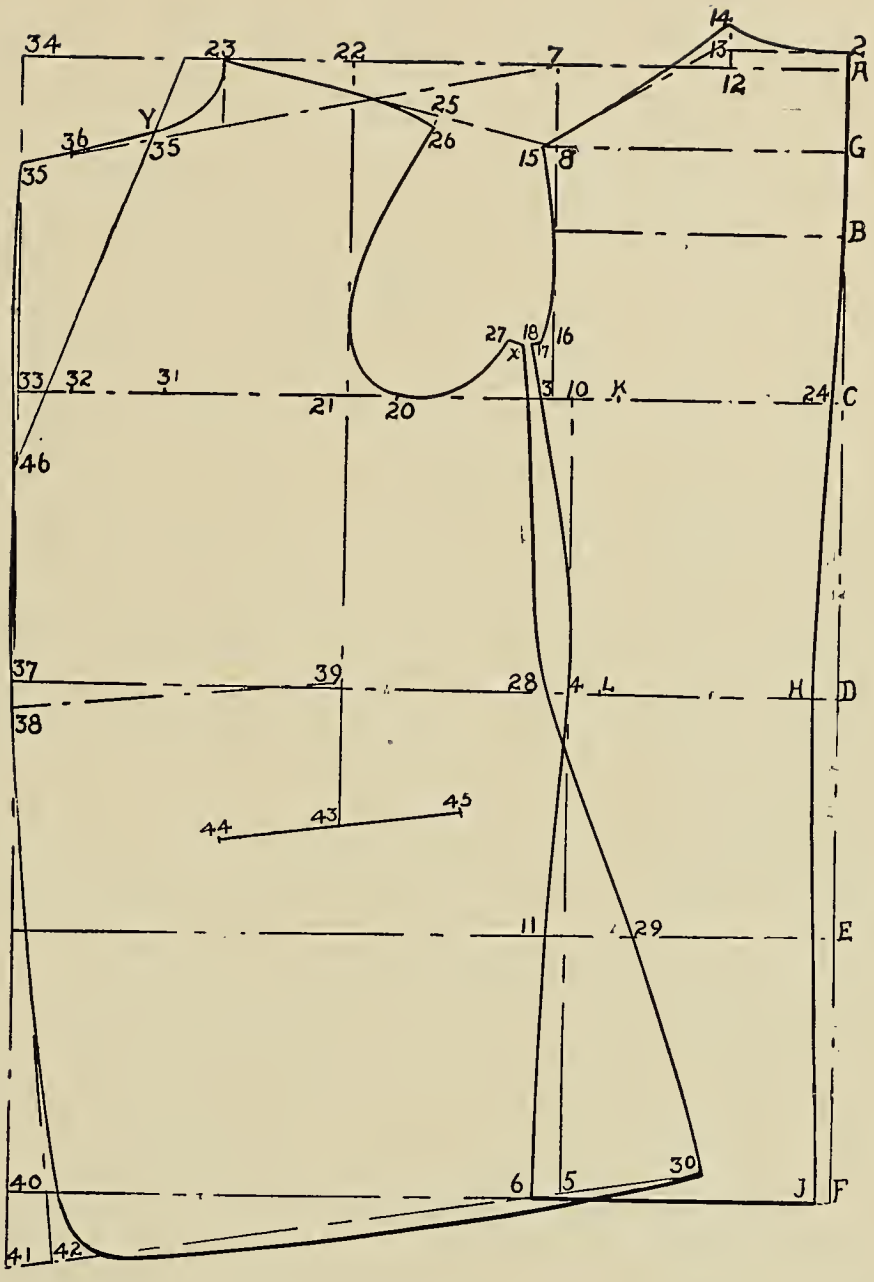

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Diagram III

Drafting the Under Collar

Diagram IV

ALL sack coat collars, single or double breasted, are drafted by this method. The leaf of the double breasted coats are made one-quarter inch wider.

Extend the break A-B to C.

Draw line J-E parallel to A-B.

N to **D** is 1¼ inches.

D to **J** is ¼ inch.

D to **E** is the width of back.

E to **F** is ¼ inch allowed extra for fullness.

Square up from F to K.

K to **L** is ¼ inch.

C to **K** is 2¼ inches, the width of turnover. This can be made in various widths.

B to **I** is ¼ inch.

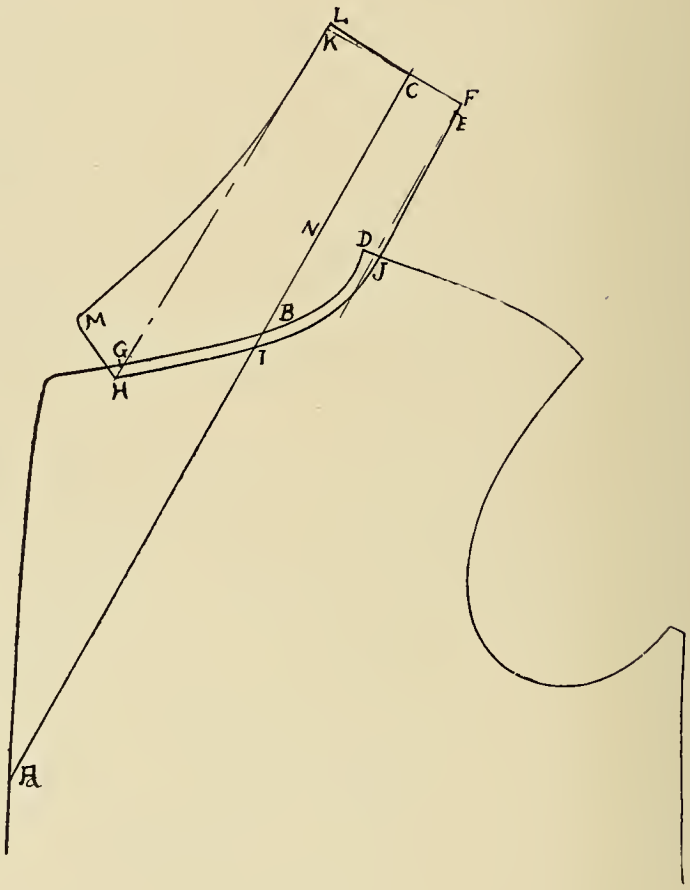
G to **H** is ¼ inch.

Draw line K-H.

Shape the bottom part F-J-I-H and see that it has the same run as the gorge D-B-G.

Draw lines B-C-L and L-M.

Shape the notch M-H, which completes the under collar.



Regular Sleeves

Diagram V

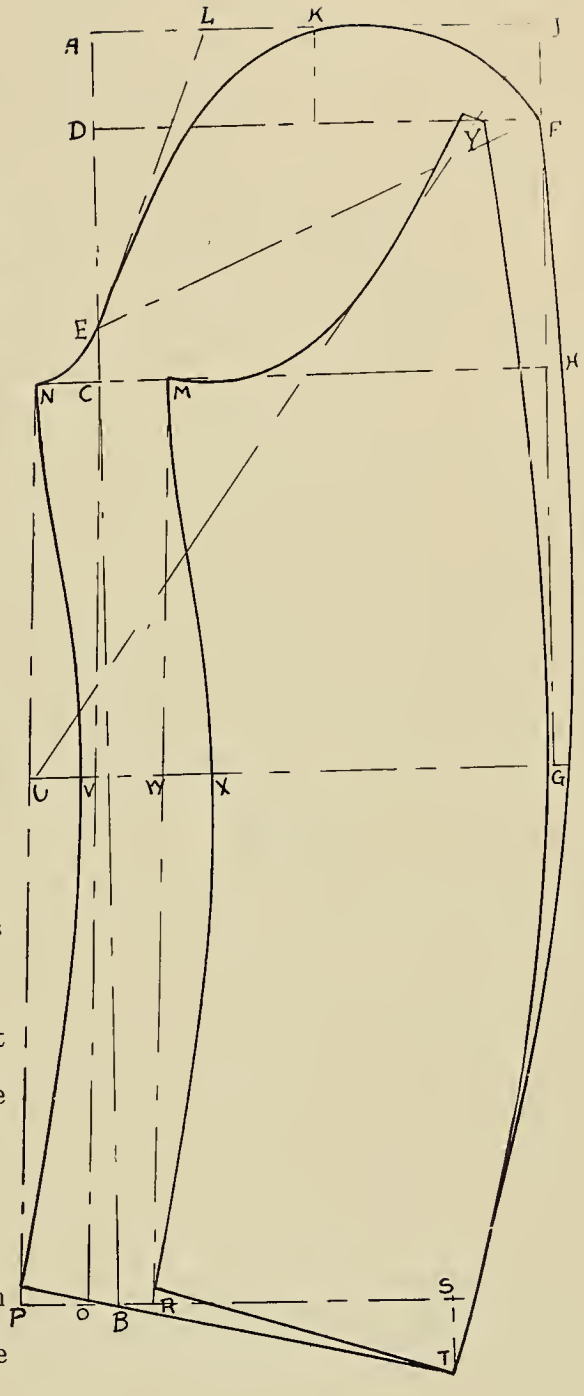
THIS sleeve can be used to all regular coat drafts. The ball of sleeve gives about two inches fullness for top sleeve and there should be 3-4 inch fullness for undersleeve. Measurements: size 36 in. inseam 18 in.

DRAFT

Draw line ADCB.
A to **D** is 1/12 of 18.
D to **C** is ¼ of 18.
C to **B** is 18 inches, the inseam.
V is half way between C and D.
Square out from points ADCVB.
C to **E** is 1¼ inches.
EF is ½ of 18.
Square up and down from point F.
K is half way between J and A.
L is half way between A and K.
Shape the top sleeve F-K-E.
C to **N** and C to **M** are 1¼ inches each.
Shape E-N.
B to **O** is ¾ inch.
O to **R** and O to P are 1¼ inches each.
Draw lines M-R and N-P.
Shape the inseam of sleeve N-P.
O to S is half of the bottom of sleeve plus ⅝ inch.
Square down from S to **T**.
S to T is 1½ inches.
Shape the outside seam F-H-G-T, coming out ½ inch at point G.
Shape the bottom T-O-P, which finishes the top sleeve.

UNDER SLEEVE

F to **Y** is 1 inch.
Draw line J-U.
Shape the line Y-M.
Shape the inseam M-R and the outside seam Y-T.
Draw the bottom T-R, which completes the draft.



Stout Sack Coat

Diagram VI

THIS draft is for a normal Stout figure, 5 ft. 7 in. in height. Full explanation is given as to the proper distribution of fat at the waist. Every detail should be carefully memorized.

MEASUREMENTS.

Breast 40 inches.
Waist 40 inches.
Length 31 inches.

DRAFT—BACK.

Draw line ABCDEFGH.
A to B is ⅜ inch.
B to C is ¼ of 21.
B to E is ½ of 21.
D is half way between B and C.
B to F is 17½ inches.
B to G is 26 inches (seat line).
B to H is the full length of 31 inches.
Square out from points ABCDEFGH.
F to K is ¾ inch.
H to J is ¼ inch.
Draw line A-K-J.
E to M is 1/3 of 20 plus 2 inches.
Square up from M to P.
M to L is ½ inch.
Square down from L to R.
B to N is 1/6 of 20 plus ½ inch.
N to O is 1 inch.
Draw line A-O.
U to 2 is ½ inch.
Draw line O-2.
M to V is 1/12 of breast.
Come out ¾ inch from point V to the point of side-seam.
R to S is ½ inch.
Draw line V-T-S, which completes the back.

FOREPART.

E to 3 is 2/3 of breast plus 1½ inches.
Square up from 3 to 4 and down from 3 to 11.
4 to 5 is 1/6 of 20.
E to X is ½ of breast (measure from the center seam of back).
X to Y is 2½ inches.
Y to Z is 1½ inches.
Square up from Z to 7.
Draw line 5-U.
26 is half way between 25 and U.
5 to 23 is ¼ less than 2 to O.
7 to 6 is 1/6 of breast.
Draw line 6-4, dropping ½ inch from point 4.
Shape the gorge 5-8-9.
Shape the armhole 23-24.
Square down from Z to 12.
12 to 13 is 1 inch. (This is 1 inch for fat, or in otherwords, 2/3 or ½ of the fat is applied at the front of the waistline.

The balance 1/3 of ½ of the fat is divided equally between the side-seams of the forepart and back.

In figuring the fat, the regular proportions are 40 breast, 37 waist, and the proportions on a regular stout is 40 breast, 40 waist. The difference between the stout waist measure and the regular waist measure is what we call fat; therefore you will note that on a 40 stout we have 3 inches of fat, ½ being applied to the draft; that is, 1 inch at the front and ½ inch at the side-seams.

Square down from 13 to 16.
The side-seams cross at point T.
21 to 20 is 2½ inches.
Draw line V-T-20-22, which is the same length as V-T-S.
8 to 9 is 3 inches.
Make the notch of lapel 2¼ inches wide.
Z to 10 is 2½ inches.
Shape lapel front and bottom.
Split the draft at point 19 to pocket at point 17.
Take in ½ inch plait at point 18, using point 17 as a pivot. This will open the Vee at point 19, as required.
Then straighten out bottom and fill in side-seam a trifle, which completes the draft.

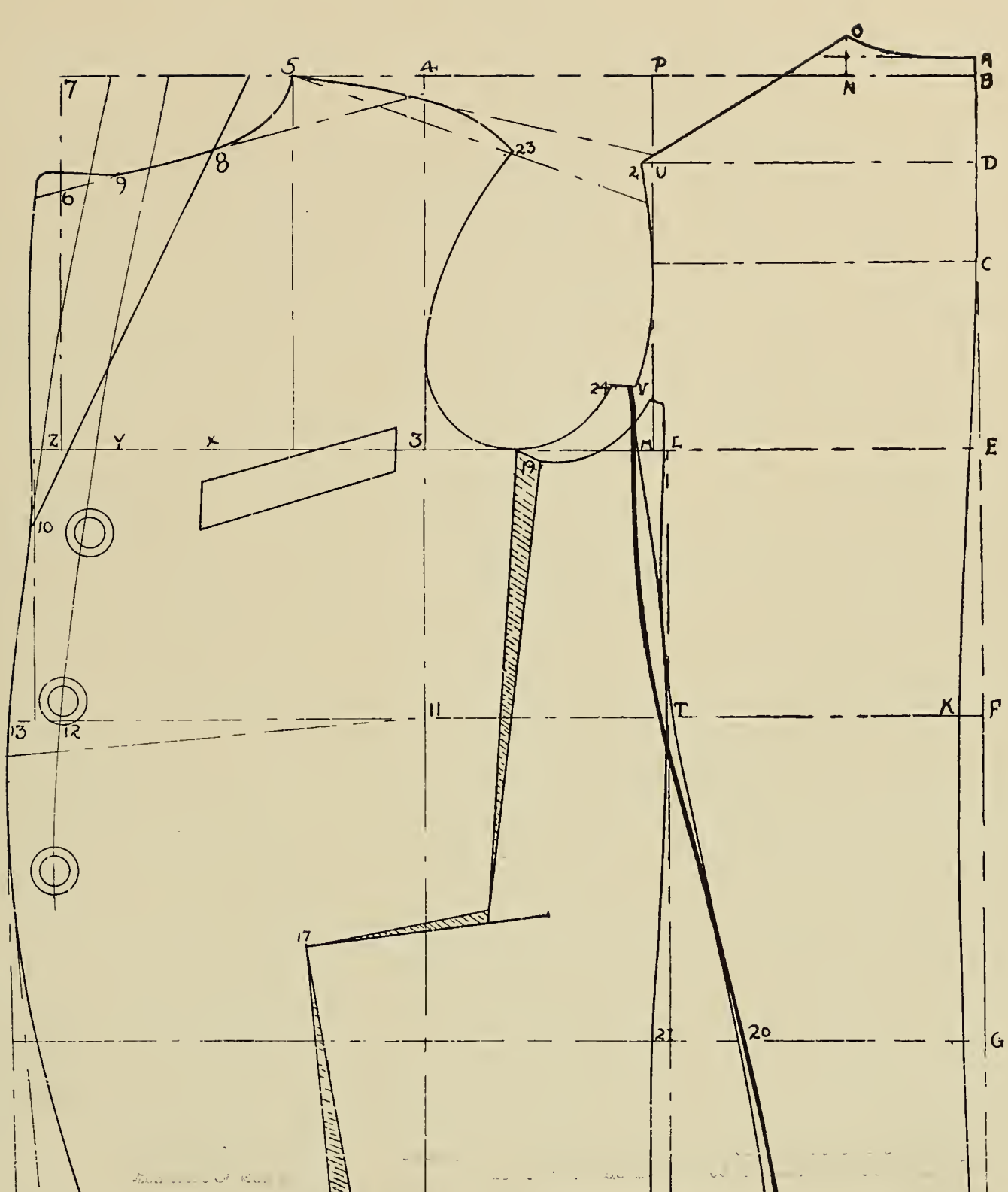

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Diagram VI

Work Coat

Diagram VIII

IN this draft all allowances are made for double needle machine work. This being the basic draft for all garments of this kind shown in this volume, every point should be memorized. Breast size 36.

THE DRAFT (BACK)

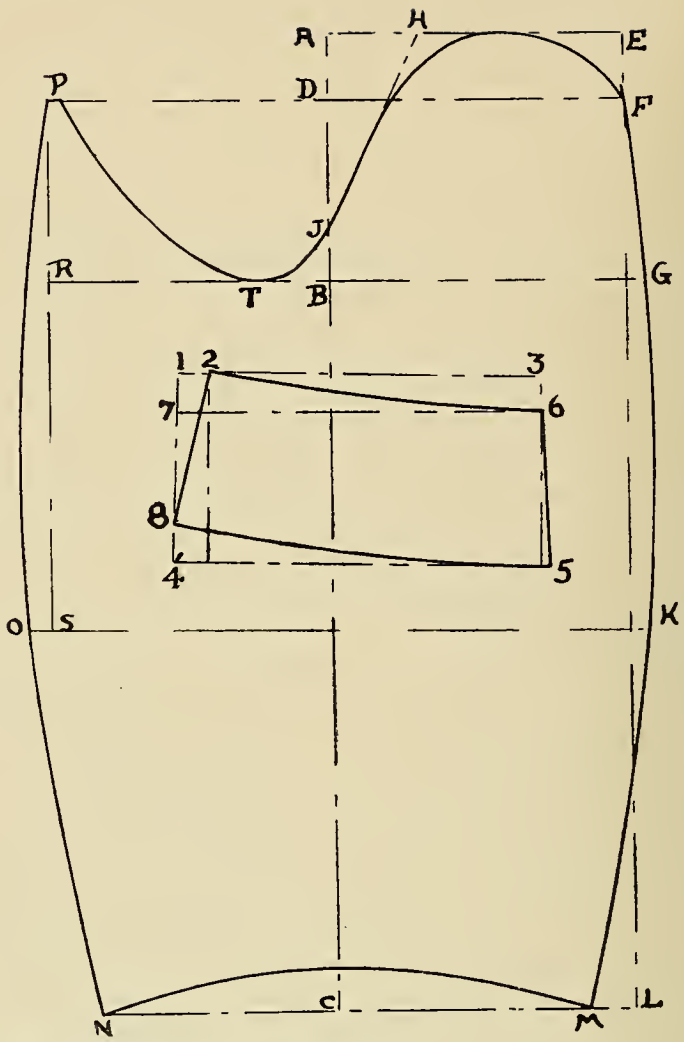
Draw line A-B-C-D-E-F-G.
A to B is 1½ inches.
B to C is ¼ of 19.
B to D is ½ of 19. (This measurement is always ½ of two sizes larger than the breast size.)
B to E is 17½ inches.
B to F is 25 inches (seat line).
B to G is 31 inches.
Square out from points A-B-C-D-E-F-G.
G to H is 1 inch.
Draw line B-H.
B to J is 1/6 of breast plus ½ inch.
K to L is ⅝ inch on all sizes.
Draw line A-L.
D to M is 1/3 of 18 plus 2½ inches.
Square up from M to N.
P is half way between N and line C.
Draw line L-P, as illustrated, extending the point of shoulder ½ inch beyond line M-N
M to R is 1/12 of breast.
R to S is ¾ inch.
Draw P-S, the back part of arm hole.
M to O is ½ inch.
Square down from O to T.
T to U is ½ inch.
Draw line S-14-U, which completes the back.
For a whole back take off ¼ inch on line A-H.

THE FOREPART.

D to V is 1/3 of breast plus 1¾ inches.
Square up from V to W.
W to X is 1/6 of breast.
X to 2 is 1¼ inches.
10 to 11 is ½ inch.
Draw line 2-X-P and 2-11.
2 to 11 is ¼ inch less than L to P.
Shape the arm hole, 11-S.
Point 12 is ½ inch from line O-T.
14 to 13 is 2¼ inches.
Shape the side seam, S-12-13, which is the same length as S-14-U.
D to Y is 19 inches, or ½ of two sizes larger than the breast.
Y to Z is 2½ inches.
Z to 3 is 1½ inches.
Square up from 3 to 4 and down from 3 to 9.
2 to 6 is 1/6 of breast.
Square down from 6 to 7, which is 1/6 of breast.
Come out 1½ inches from point 7 for stand.
Come in ¾ inch at point 9 to get run of front.
Shape neck and front as illustrated.
The buttons are placed 1¼ inches from front edge.

THE SLEEVE

Draw line A-B-C.
B to D is ¼ of 19.
D to E is 1/12 of 19.
B to C is 1 inch more than the inseam of sleeve, which is 19 inches in this case.
Square out from point A and square both ways from points D-B and C.
Line S-K is ½ way between B and C.
J to F is ¼ inch less than ½ of 18.
Square down from F to L and up from F to E.
A to H is 1/3 of the distance of A to E.
Draw line H-J.
D to P is ½ inch less than D to F.
Square down from P to S.
Shape line F-J-P.
K is ½ inch from line E-L.
C to M is 6½ inches.
C to N is 6¼ inches.
Draw line F-K-M and line P-O-N.
Hollow bottom 1 inch at point C.
Shape the bottom N-M, which completes the sleeve.



THE COLLAR

Draw line 1-2-3.
1 to 2 is ¾ inch.
2 to 3 is 8½ inches.
Square down from points 1-2-3.
3 to 6 is 1 inch.
6 to 5 is 4 inches.
Square out from points 6 and 5.
4 to 8 is 1 inch.
Shape lines 2-6 and 8-5 as illustrated, which completes the collar.
For other sizes of collar, the collar is to be made ⅛ inch longer of shorter, as the case may be.

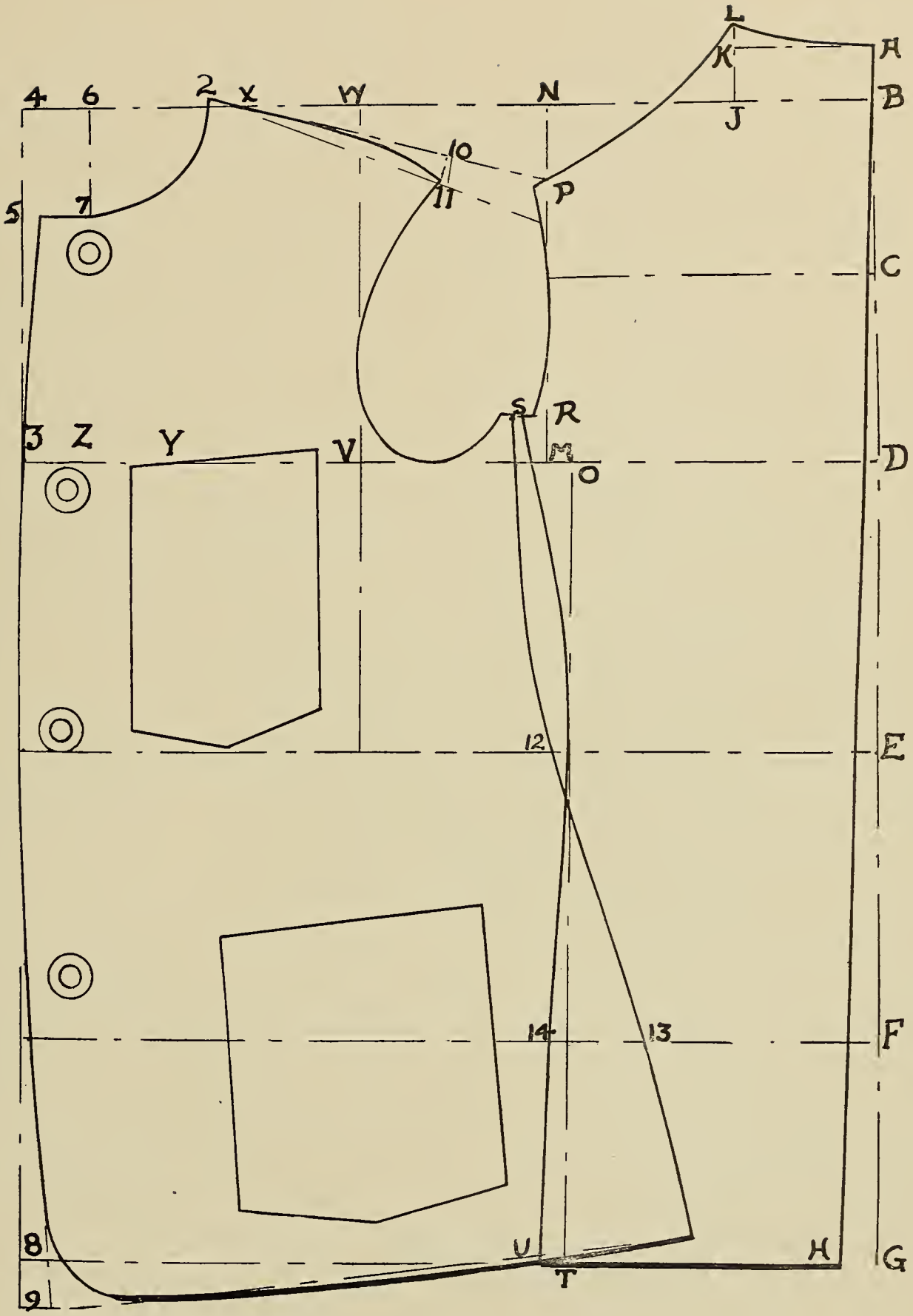


Diagram VIII

Stout Work Coat

Diagram XI

CHANGES made from a regular work coat to a stout work coat are somewhat similar to the changes made from a regular sack coat to a stout sack coat (as explained in a previous diagram), with the exceptions that the under-arm vee is not split thru the pocket, but is opened up one-half inch. A cut is made from 12 to 14 and the coat is spread at point 12, ½ inch. The diagram here illustrated is for size 42 breast, 42 waist. From 8 to 9 one inch is given for the fat, the balance is added at the side seams at points S and T. The collar is drafted similar to the regular work coat collar. The sleeve should be made 1 inch shorter than the regular work coat sleeve.

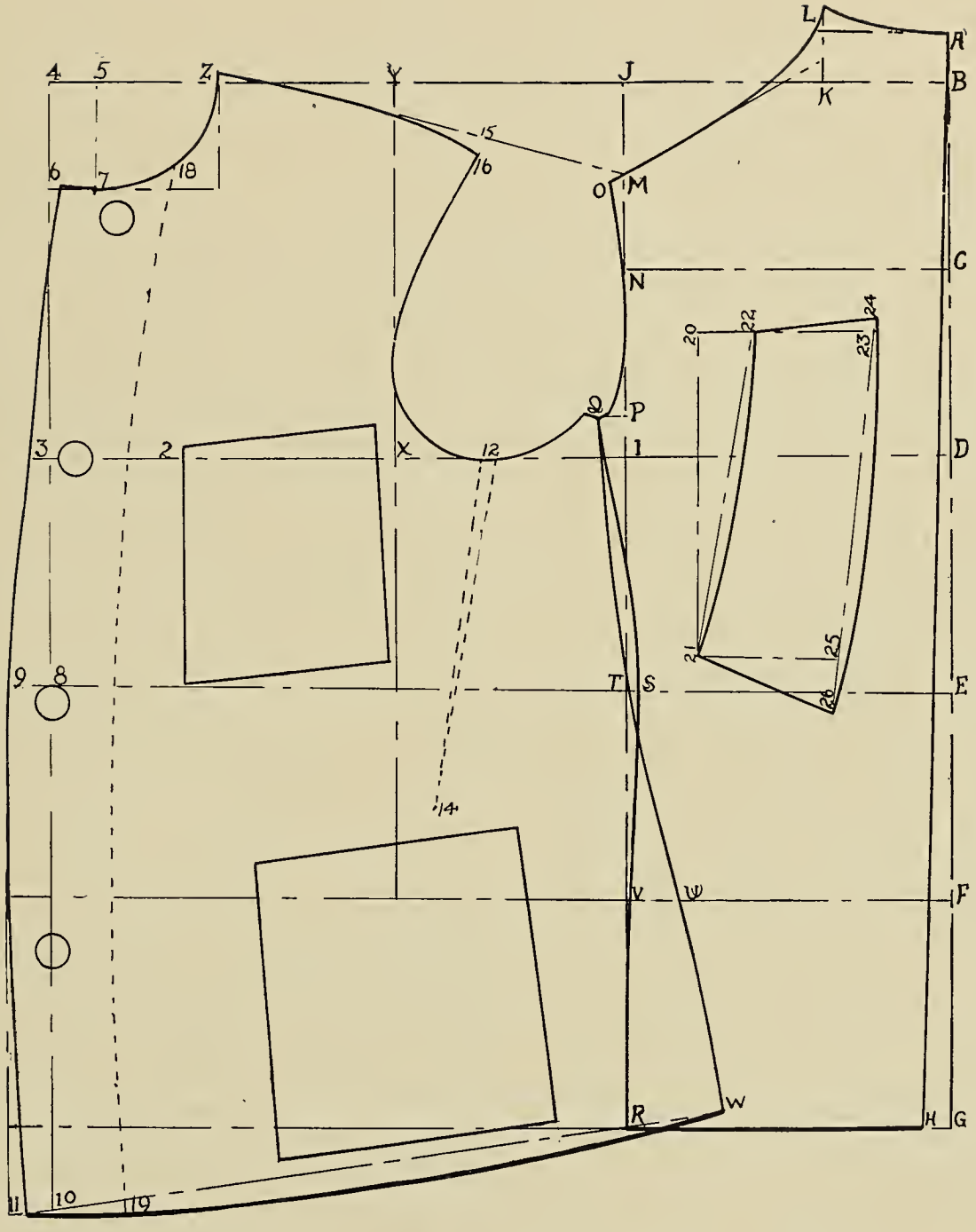

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Diagram XI

Barbers' Coat

Diagram X

THIS garment is made with a military standing collar which buttons to the neck. The top patch should be made 5½ inches wide and 6½ inches deep. The lower patch should be made 6½ inches wide and 8½ inches deep. An extra allowance should be made for seams. The button stand is 1¼ inches from the edge. To use this pattern for a double-needle machine, an extra allowance of ¼ inch should be made at the shoulder and side-seam of forepart. The same sleeve can be drafted for this garment as is used and explained with the work coat diagram. Breast size 38, waist 35 inches.

THE DRAFT

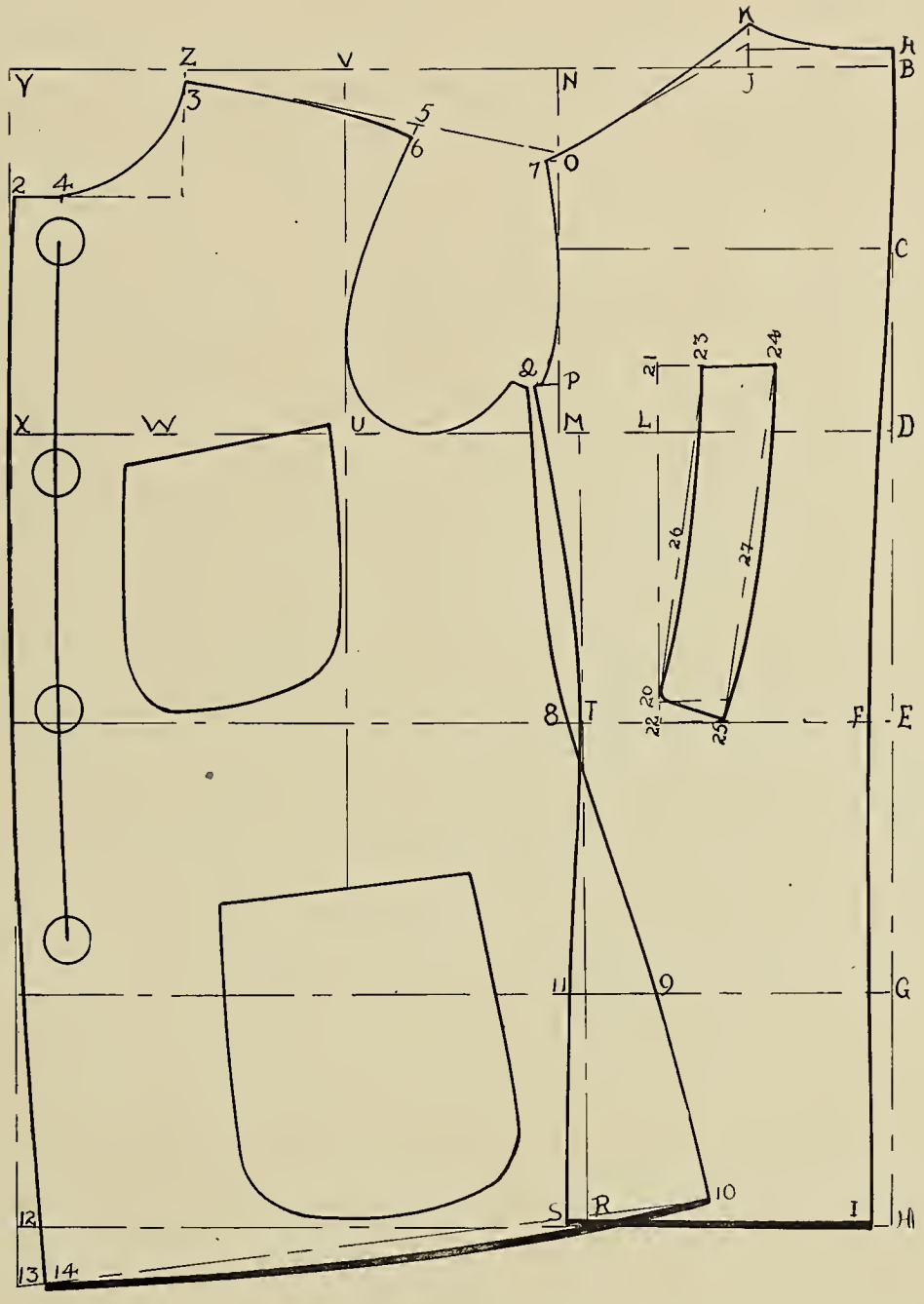
Draw line A-B-C-D-E-F-G-H.
A to **B** is ¼ inch.
B to **C** is ½ of B to D.
B to **D** is ½ of 20.
B to **E** is 17½ inches.
B to **G** is 24 inches.
B to **H** is 31 inches or full length.
Square out from points A-B-C-D-E-F-G-H.
B to **J** is 1/6 of 19 plus ½ inch.
Square up from J to K.
J to **K** is 1 inch.
Draw A-K.
E to F is ⅝ inch.
H to **I** is ⅜ inch.
Draw the center seam B-F-I.
D to **L** is 1/3 of 19.
L to **M** is 2¼ inches.
Square up from M to N.
O is halfway between N and line C.
O to 7 is ¼ inch.
Draw line K-7.
F to **T** is 1/3 of 19 plus 1 inch.
Square down from T to **R.**
R to **S** is ½ inch.
M to **P** is 1/12 of 19.
P to **Q** is ½ inch.
Draw lines 7-Q and Q-T-S, which finishes the back.

THE FOREPART

D to W is ½ of breast.
W to **X** is 3¾ inches for button stand and make-up.
Square up from X to **Y** and down from X to 13.
D to U is 2/3 of 19, plus 1½ inches.
Square up from U to **V.**
Z is half way between Y and V.
Z to 3 is ¼ inch.
Draw line 3-0.
3 to 5 is ¼ less than K to 7.
5 to 6 is ⅜ inch.
Shape the shoulder 6-3 and the armhole 6-Q.
11 to 9 is 2¼ inches.
T to 8 is ½ inch.
Shape the side-seam Q-8-9-10.
Q to 10 is the same length as Q to S.
Y to 2 is 1/6 of breast.
2 to 4 is 1¼ inches.
Shape the gorge 3-4-2.
12 to 13 is 1½ inches.
13 to 14 is ½ inch.
Shape the front 2-X-14.
Shape the bottom 14-10, which completes the forepart.

THE COLLAR

Draw line 20-21.
20 to 21 is 8¾ inches.
Square down from 21 to 24.
21 to 23 is 1 inch.
23 to 24 is 1¾ inches.
Draw line 20-26-23.
20 to 22 is ½ inch.
Square down from 22 to 25.
22 to 25 is 1¾ inches.
Draw line 24-25.
Shape the top 23-20, hollowing out ¼ inch at point 26.
Shape the bottom 24-25, filling out ¼ inch at point 27.
Draw lines 20-25, which completes the collar. For other sizes the collar should be made ⅛ inch longer, making the finished product ¼ inch larger for each size.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12
S
R
10
I
H
13
14

Diagram X

No Collar Barber's Coat

Diagram XI

HERE I show a draft made similar to the work coat with the exception that it does not button to the neck and has no lapel. The sleeve can be drafted either in one or two pieces as explained in the regular sack coat and the work coat. The same allowances are made thruout the draft for make-up and seaming as in the work coat. A narrow neck piece about two inches wide can be made to finish off the top of back. The facing of the forepart should be made so that it will be the same width at the top from point of shoulder so that it will correspond with the neck piece of the back. Breast size 36.

From point 4 to 11 is 1½ inches.

Point Y to 9 is 1/6 of 19 plus 1¼ inches.

Shape the shoulder 10-9 as illustrated then shape the neck 9-11. The rest of the draft is the same as explained in the work coat.

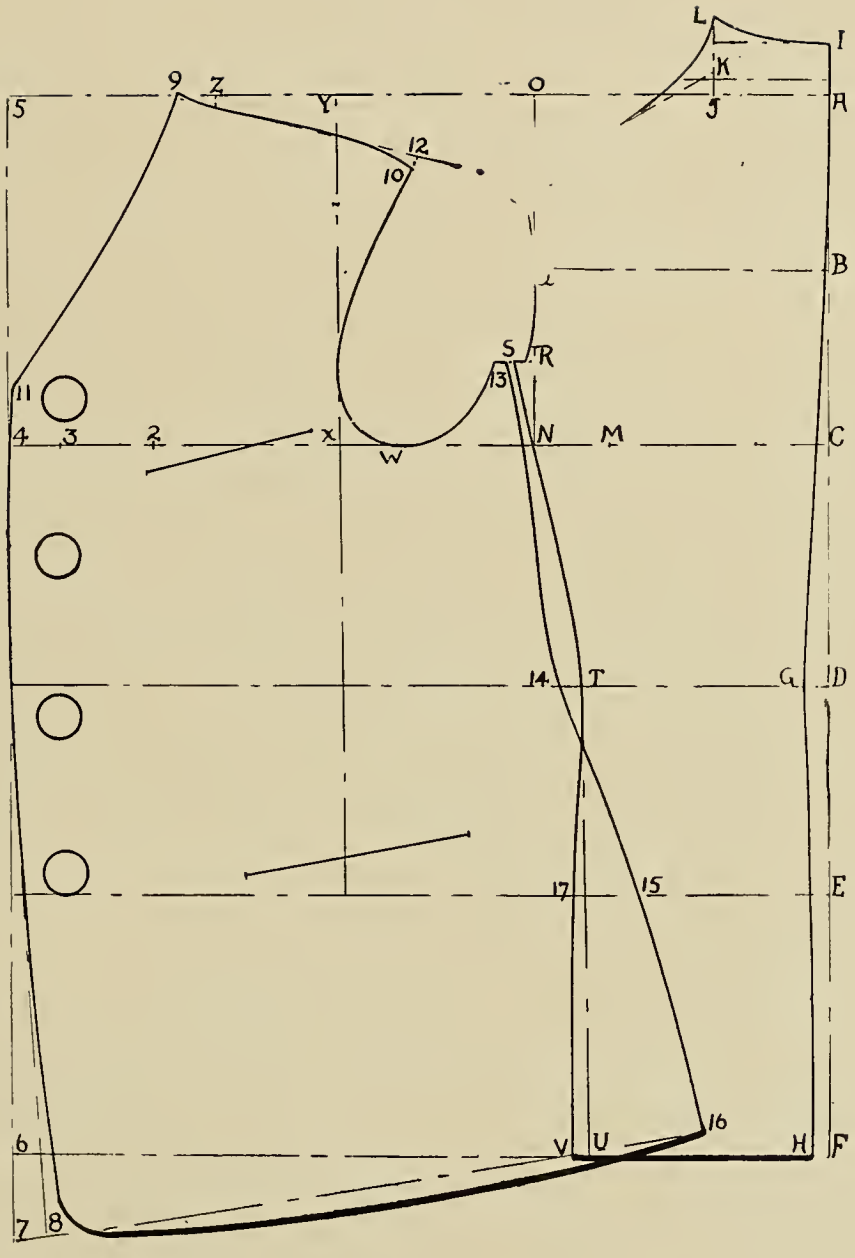

Diagram XI

Hunting Coat

Diagram XII

SIMILAR to the work coat, this garment is drafted, and is intended to be made of cotton materials, such as khaki and the like. The back is split from Q to D, and at the waist from W to I. Allow a ⅜-inch seam on each side of the split; a 1-inch inverted plait should be made as illustrated from point 30 to 31. The belt is made to go all around and to sew down on the back covering the center waist seam. The pockets are made with box plaits. The collar is made similar to the work coat collar as explained in the previous diagram.

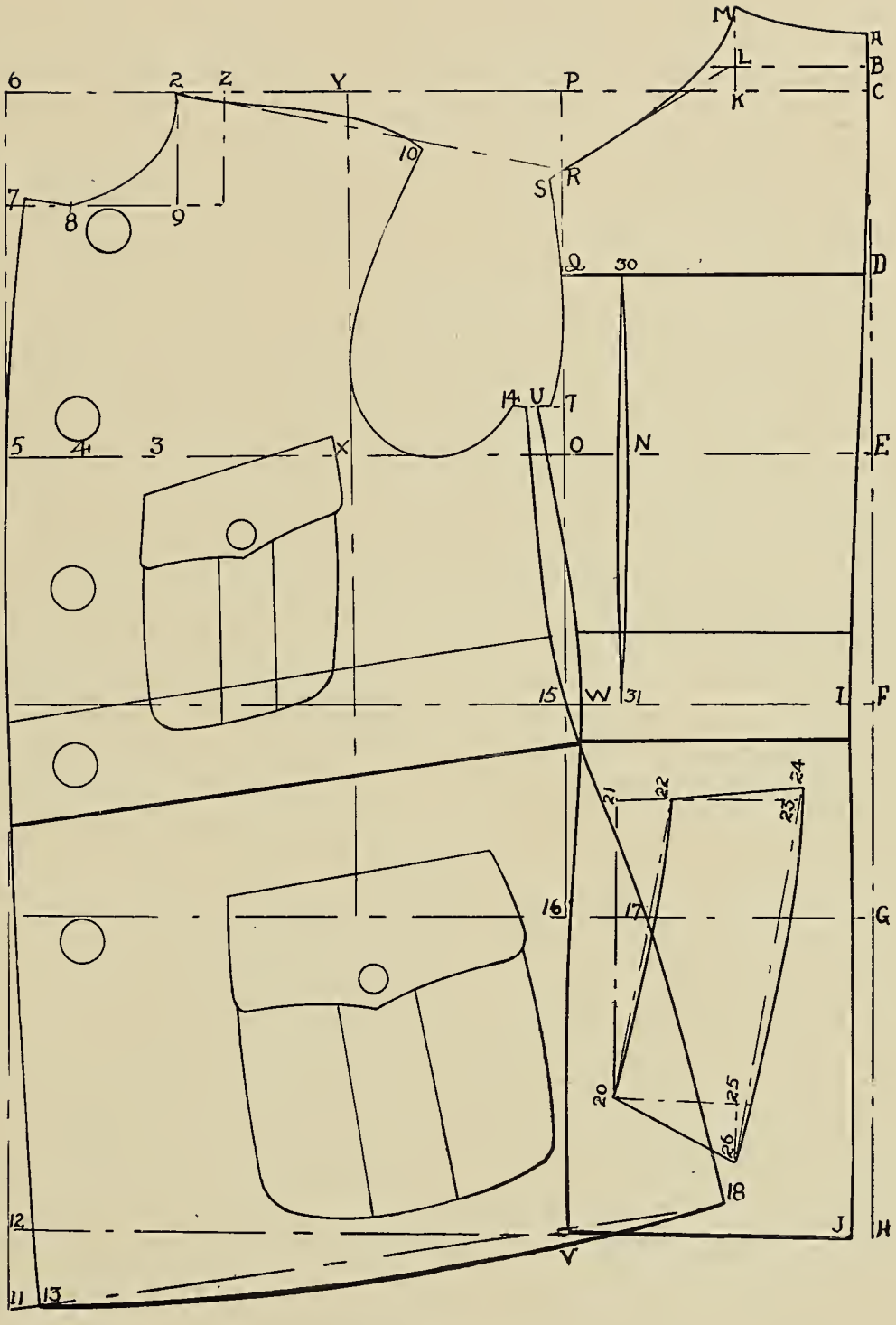
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Diagram XII

Grocers' Gown

Diagram XIII

DRAFTED two sizes larger than the regular sack coat draft is the gown here illustrated and described. This draft is made with a swinging collar similar to the work coat. With a few common sense changes this draft can be used for auto dusters, doctor's gowns and the like.

Size 38.

THE DRAFT

Draw line A-B-C-D-E-F-G.
A to **B** is 1½ inches.
B to **C** is ¼ of 21.
B to **D** is ½ of 21.
B to **E** is 17½ inches.
B to **F** is 25 inches.
B to **G** is the full length or 46 inches.
Square out from points A-B-C-D-E-F-G.
G to H is 1¼ inches.
Draw line A-H.
B to **J** is 1/6 of 20 plus ½ inch.
Square up from J to **L.**
K to **L** is ⅝ inch.
Draw line A-L.
D to **M** is 1/3 of breast plus 2¼ inches.
Square up from M to **N.**
P is half way between O and N.
P to **Q** is ⅝ inch.
Draw line **L**-Q.
D to **V** is 2/3 of breast plus 1⅜ inches.
R is half way between M and V.
Square down from R to **S.**
S to **U** is ⅛ of breast.
Draw lines Q-R and R-U, which completes the back.

THE FOREPART

Square up from V to **Y.**
Y to 3 is 1/6 of breast plus 1¼ inches.
Square up from 3 to **Z.**
3 to **Z** is ½ inch.
Draw line Z-P.
7 to **Z** is ¼ inch less than L to Q.
Drop point 7 three-eighths inch and shape shoulder 7Z and armhole 7R.
H to 12 is 1/6 of breast.
Draw line R-12.
D to **W** is ½ of 20.
W to **X** is 4¼ inches.
Square up from X to R and down from X to 8.
4 to **6** is ⅛ of breast.
Square out from 6 to 13.
6 to 5 is 2 inches.
Shape the gorge Z-5.
Point 8 is 1½ inches from line G.
8 to **9** is ½ inch.
Shape the front 6-9 and the bottom 9-12, which completes the forepart.
For double needle machine, allow ¼ inch lap at shoulder and side-seam of forepart. For a whole back, take off ¼ inch from center seam.

THE COLLAR

20 to 21 is 8½ inches.
Square down from 21 to 23.
21 to 22 is 1¾ inches.
22 to 23 is 4 inches.
Draw line 22-20.
Square down from 20 to 24.
20 to 24 is 4 inches.
24 to 25 is 1½ inches.
Draw lines 23-25 and 22-20, hollowing ½ inch at point 26.
Draw lines 20-25 and 22-23, which completes the collar.
Use the same sleeves as the work coat.

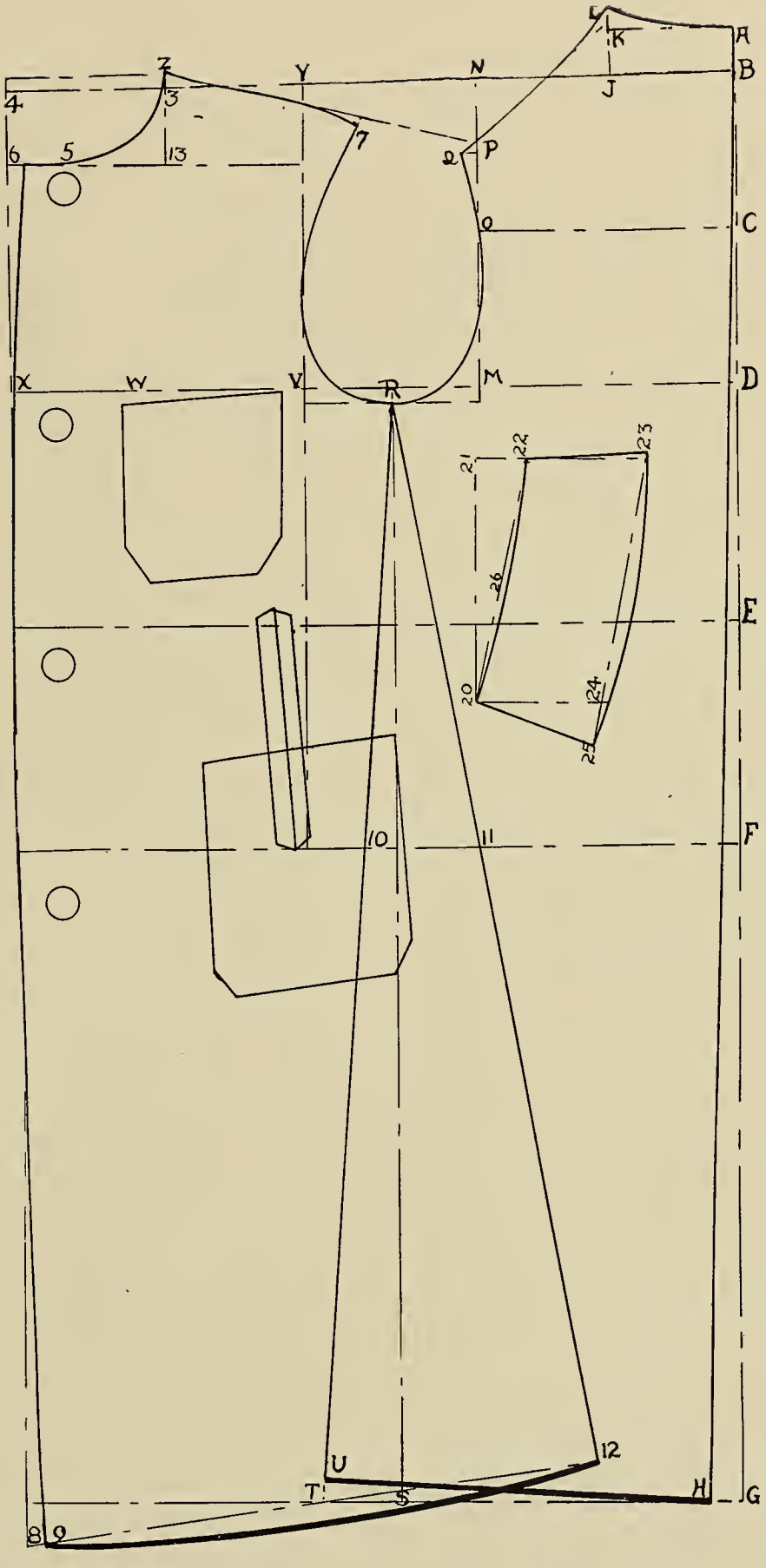


Diagram XIII

Military Blouse

Diagram XIV

FOR double needle machine an extra allowance of ⅛ inch should be made on all seams of garments made from this draft. It is adaptable for cotton materials, such as khaki, duck, etc. The back should be made whole. One-quarter inch should be taken off from A to H. The sleeve draft is made similar to the sack coat sleeve and the collar is drafted similar to military collar, as explained on the barber's coat draft.

Measurements: Breast, 36 inches; waist, 32 inches; length, 28 inches.

THE DRAFT

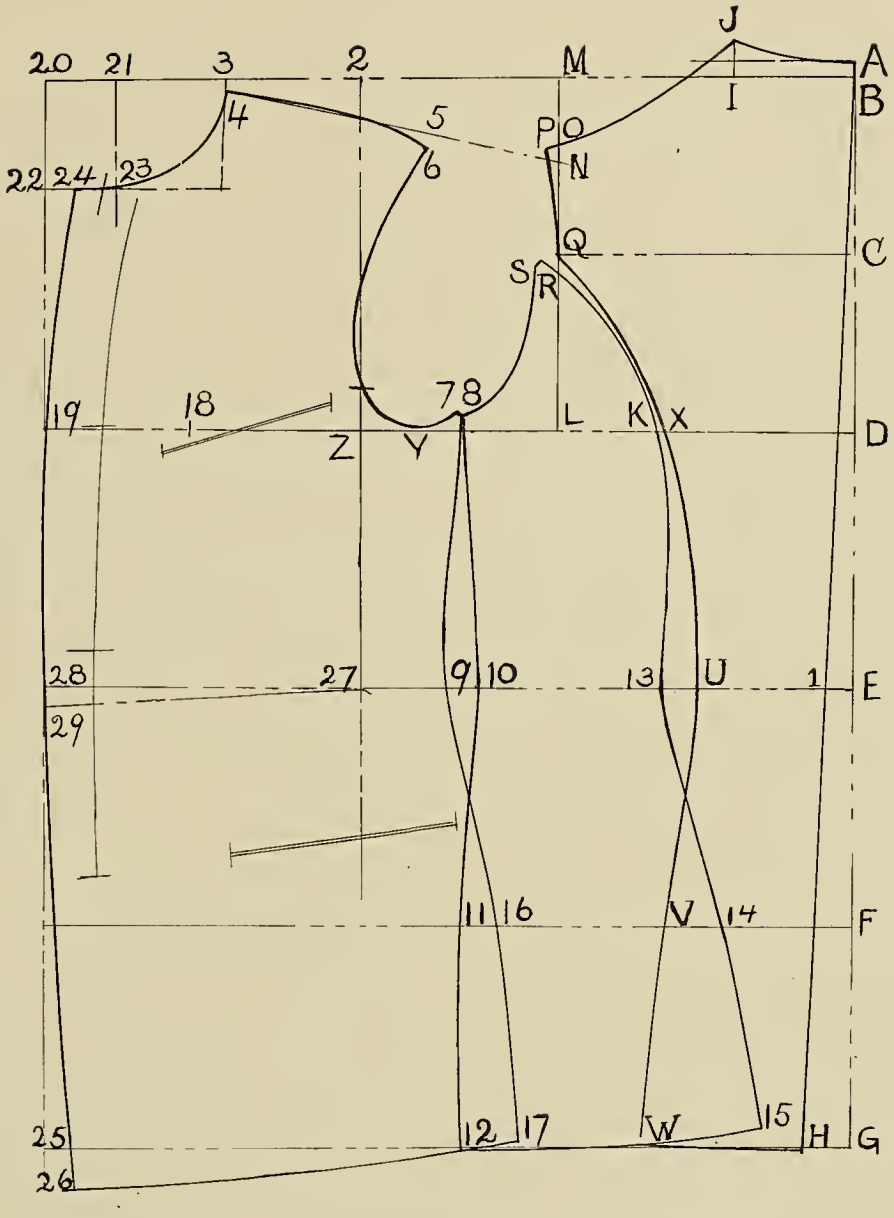
Draw line A-B-C-D-E-F-G.
A to **B** is ¼ inch.
B to **C** is ¼ of 19.
B to **D** is ½ of 19.
B to **E** is 16½ inches.
B to **F** is 22½ inches.
B to **G** is the full length, or 28 inches.
Square out from points A-B-C-D-E-F-G.
G to **H** is 1¼ inches.
Draw line A-H.
B to **I** is 1/6 of 18 plus ½ inch.
I to **J** is ⅞ inch.
Draw line A-J.
D to **K** is 1/3 of 18.
K to **L** is 2 inches.
Draw line L-M.
N is half way between Q and M.
O is ½ inch from N.
P is ¼ inch from O.
Draw line J-P.
I to **U** is 1/6 of 18 plus ½ inch.
H to **W** is ¼ of 18.
Shape the side seam Q-X-V-W, which finishes the back.

THE SIDE-BODY

D to 8 is ½ of 18 plus 1½ inches.
Q to **R** is ½ inch.
R to **S** is ¾ inch.
U to **13** is 1 inch.
V to **14** is 1½ inches.
Shape the side seam S-K-13-14-15, making it the same length as the back side seam.
13 to **10** is ¼ of 18 plus ¼ inch.
Draw line S-8, then shape the seam 8-10-11-12.
Shape the bottom, 12-15, which completes the side-body.

THE FOREPART

D to **Y** is 2/3 of 18.
Y to **Z** is 1½ inches.
Square up from Z to **2**.
2 to **3** is 1/6 of 18 plus ½ inch.
Z to **4** is ¼ inch.
Draw line 4-N.
5 to **6** is ⅜ inch.
Shape the shoulder, 6-4, and the arm hole, 6-7.
10 to **9** is 1 inch.
16 to **11** is 1 inch.
12 to **17** is 1½ inches.
Shape the side seam, 7-9-16-17.
D to **18** is 18 inches.
18 to **19** is 4 inches.
Square up from 19 to **20** and down from 19 to **26**.
3 to **21** is 1/6 of 18.
21 to **23** is 1/6 of 18.
23 to **24** is 1 inch.
28 to **29** is ⅝ inch.
Square 27-29-26, then shape the neck, front and bottom as illustrated.
The pocket is made 11 inches from the breast line **Z**.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4 5 P O B
22 24 23 6 N
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Q C
S R
19 18 78 L K X D
Z Y
28 27 9 10 13 U 1 E
29
11 16 V 14 F
25 12 17 W 15 H G
26

Diagram XIV

Boys' Work Coat

(Age 12)

Diagram XV

MADE similar to the men's work coat is this draft except that it is drafted by boys' proportions. The identical idea as the men's coat is carried out in every detail. On the last page of this book will be found a complete list of boys' proportions with which any size can be drafted. With the system laid out as explained in this draft the reader should be able to draft any of the various style garments for boys.

Measurements: Breast, 29 inches; waist, 27 inches; neck, 13 inches.

THE DRAFT

Draw line 1-2-3-4-5-6.
1 to 2 is 1 inch.
2 to 3 is ¼ of 15.
2 to 4 is ½ of 15, which is one-half of one size larger than the breast measure.
2 to 5 is 14 inches.
2 to 6 is 25½ inches, the full length.
Square out from points 1-2-3-4-5-6.
6 to 7 is ¾ inch.
Draw line 1-7.
From 2 to 8 is 1/6 of 14½.
8 to 9 is ½ inch.
Square up from 9-11.
10 to 11 is ⅝ inch.
Draw line 1-11.
4 to 12 is 1/3 of 14½.
12 to 13 is 1/12 of 14½ plus ¼ inch.
Square up from 13 to 15 and down from 13 to 14.
16 is half way between 15 and line 3.
16 to 17 is ½ inch.
Draw line 11-17.
13 to 18 is 1/12 of 14½.
18 to 19 is ½ inch.
14 to 21 is ½ inch.
Shape the side seam 19-21, hollowing out ¼ inch at point 20.

THE FOREPART

4 to 22 is 2/3 of 14½.
22 to 23 is 1½ inches.
Square up from 23 to X.
X to 25 is 1/6 of 14½.
25 to A is 1½ inches.
A to 26 is ¼ inch.
Draw line 26-27-16.
27 to 28 is ⅜ inch.
Shape the shoulder 28-26.
19 to 36 is ⅜ inch.
20 to 37 is ½ inch.
Shape the side seam 36-37-38, making it the same length as the back side seam.
50 to 24 is ½ of the breast, or 14½ inches.
24 to 29 is 2¾ inches.
29 to 30 is 1½ inches.
Square up from 30 to 31 and down from 30-29.
8 to 33 is 1/6 of 14½.
33 to 34 is 1/8 of 14½.
33 to 32 is 1 inch.
35 to 39 is 1¾ inches.
39 to 40 is ¾ inch.
Shape the gorge front and bottom, which completes the draft.

THE COLLAR

Draw line 41-42.
41 to 42 is ½ of the collar plus ½ inch, which is 7 inches in this case.
Square down from points 41-42.
42 to 43 is 1 inch.
Draw line 41-43.
43 to 44 is 3 inches.
44 to 45 is ¼ inch.
41 to 46 is 3¼ inches.
Square out from 46 to 47, which is 1½ inches.
Draw line 41-47, then shape the lines 43-41 and 45-47, which completes the collar.

To figure the front waist measure you will find the following rule very practical, especially on smaller sizes.

From 51 to 52 is ½ of 13½, the waist measure.
52 to 53 is 1¼ inches and square down from 53 to 59.
The balance of the draft remains the same, as previously explained.

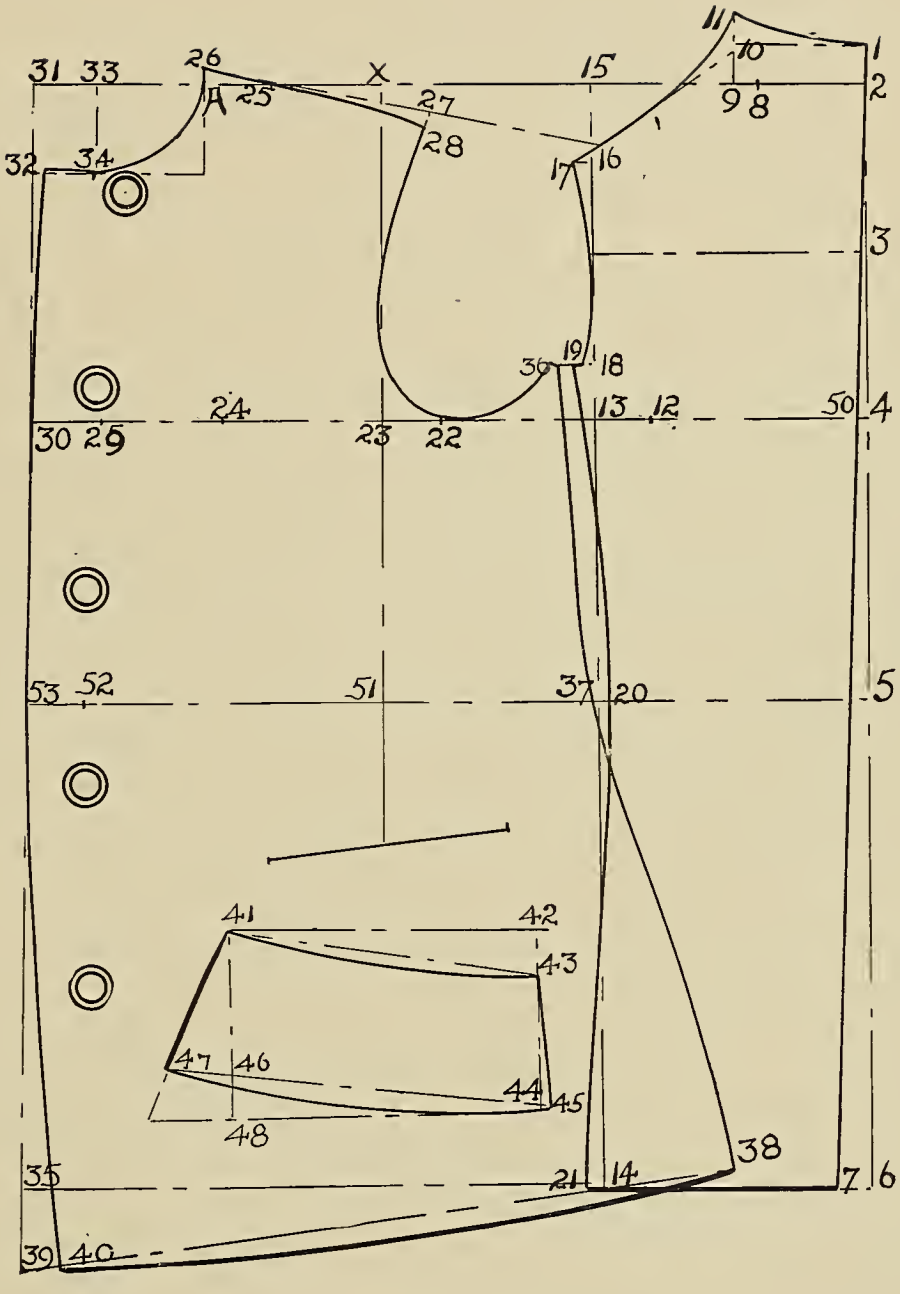
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Diagram XV

Bar Vest

Diagram XVI

ON the bar vest here illustrated all allowances are made for double needle machine stitched seams. The regular sack coat or work coat sleeves can be used with this vest. Breast size, 36; waist, 32 inches, length, 26½ inches.

THE DRAFT

Draw line 1-2-3-4-5-6.
1 to 2 is ⅜ inch.
2 to 3 is ¼ of 19.
2 to 4 is ½ of 19.
2 to 5 is the waist length, 17½ inches.
5 to 6 is 3 inches.
Square out from points 1-2-3-4-5-6.
5 to 7 is ¾ inch.
Draw line 1-7, then shape the centre back seam.
2 to 8 is 1/6 of 18 plus ½ inch.
8 to 9 is 1 inch.
Draw line 1-9.
4 to 10 is 1/3 of 18.
10 to 11 is 2½ inches.
Square up from 11-12.
14 is half way between line 3 and 12.
14 to 15 is ½ inch.
Draw line 9-15.
41 to 16 is 2/3 of 18.
16 to 17 is 1¾ inches.
Square up from 17 to 22.
18 is half way between 17-11.
19 is ½ of 16 from 7. This is ½ of the waist.
19 to 20 is 1¼ inches.
Shape the side seam 18-20-21.
41 to 27 is 18 inches.
27 to 28 is 2½ inches.
28 to 29 is 1 inch.
Square up from 29 to 30 and down from 29 to 38.
22 to 23 is 1/6 of 18 plus ½ inch.
23 to 24 is ¼ inch.
Draw line 24-25-13.
25 to 26 is ½ inch.
Shape the shoulder, 26-24, and arm hole, 26-18.
35 to 36 is ½ of 16.
36 to 37 is 2 inches.
Shape the side seam, 18-37-40, making it ½ inch less than the back side seam.
23 to 32 is 1/6 of 18.
Square down from 32-33, which is 1/6 of 18.
33 to 34 is ¾ inch.
38 to 39 is 1¾ inches.
Shape the neck, front and bottom, which completes the forepart.

The collar of this draft should be made similar to the military collar of the barber's coat.

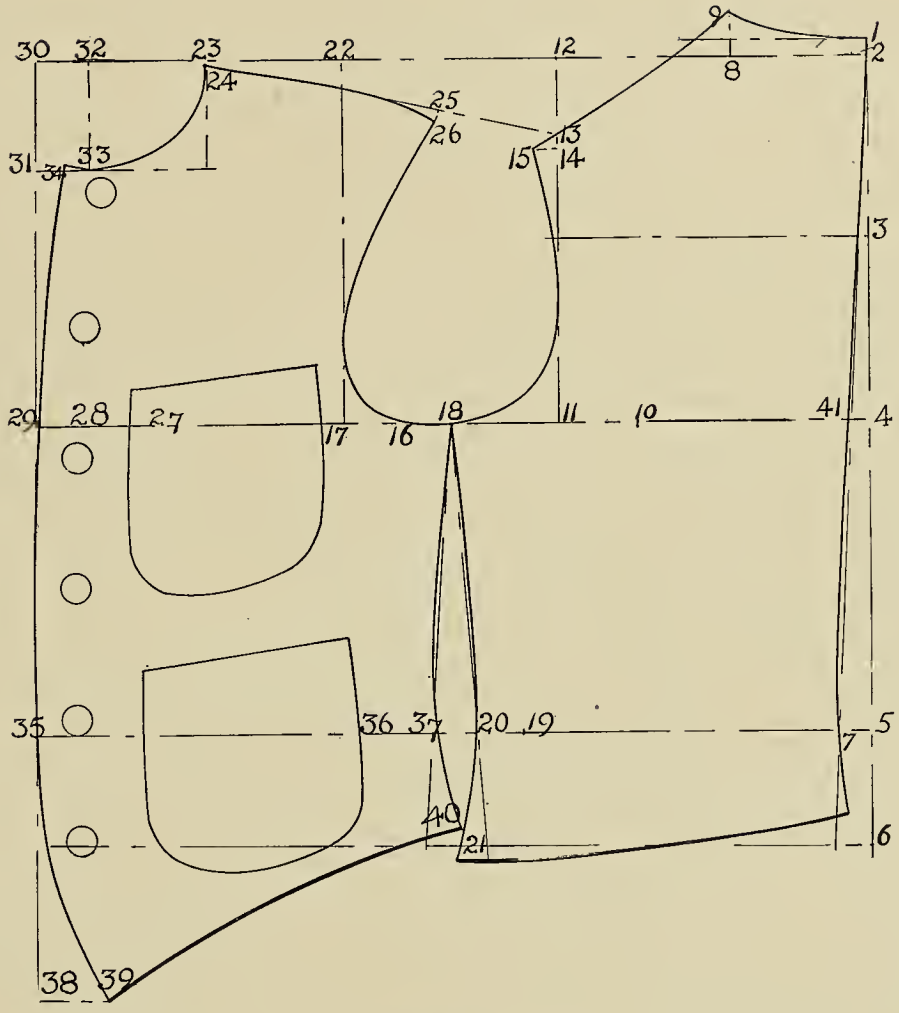
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Diagram XVI

Three Button Double Breasted Shawl Collar Mackinaw

Diagram XVII

YOU will note that this coat is drafted on a basis of two sizes larger than the sack coat. Every point should be carefully studied and memorized as this draft is the foundation of the mackinaw drafts that follow.

Measurements: Breast 38 inches, length 33 inches.

THE DRAFT

Draw line A-B-C-D-E-F.
A to **B** is ¼ of 21 plus ¾ inch.
B to **C** is ¼ of 21.
A to **D** is 17½ inches.
A to **E** is 25 inches.
A to F is the full length or 33 inches.
Square out from points A-B-C-D-E-F.
F to **G** is 1¼ inches.
Draw line A-G.
A to **O** is 1/6 of 21 plus ½ inch.
Square up from O to P.
O to **P** is 1½ inches.
C to **H** is 2/3 of 20 plus 2 inches.
Square up from H to L.
M is half way between L and line B.
M to 11 is ½ inch.
Draw line P-11.
H to **N** is 1 inch.
Square out 1 inch from N to point 9.
Draw line 11-N.
H to **J** is ½ inch.
Square down from J to **K.**
K to 5 is ¾ inch.
Shape the side-seam N-8-5.
Plait in back ¾ inch as illustrated by 17-18.

THE FOREPART

C to **R** is 2/3 of 20 plus 1⅜ inches.
Square up from R to **V.**
V to **X** is 1/6 of 20 plus ½ inch.
Drop shoulder ¼ inch at point X.
Draw line X-10.
10 to **X** is ⅜ less than P to 11.
Shape the shoulder 10-X and the armhole 10-9.
8 to 7 is ½ inch.
13 to 12 is 2½ inches.
Shape the side-seam 9-7-12-6, making it ⅛ more than the side-seam of back.
C to **S** is 20 inches.
S to **T** is 3½ inches.
T to **U** is 2½ inches or ½ of button stand.
Square up from U to **W** and down from U to Z.
W to 14 is 1/6 of 20.
Draw 15-14.
Shape the gorge X-14 and the front 14-4.
Sweep from point X, using X-6 as a radius to establish point **Z.**
Shape the bottom 4-6, which completes the draft.

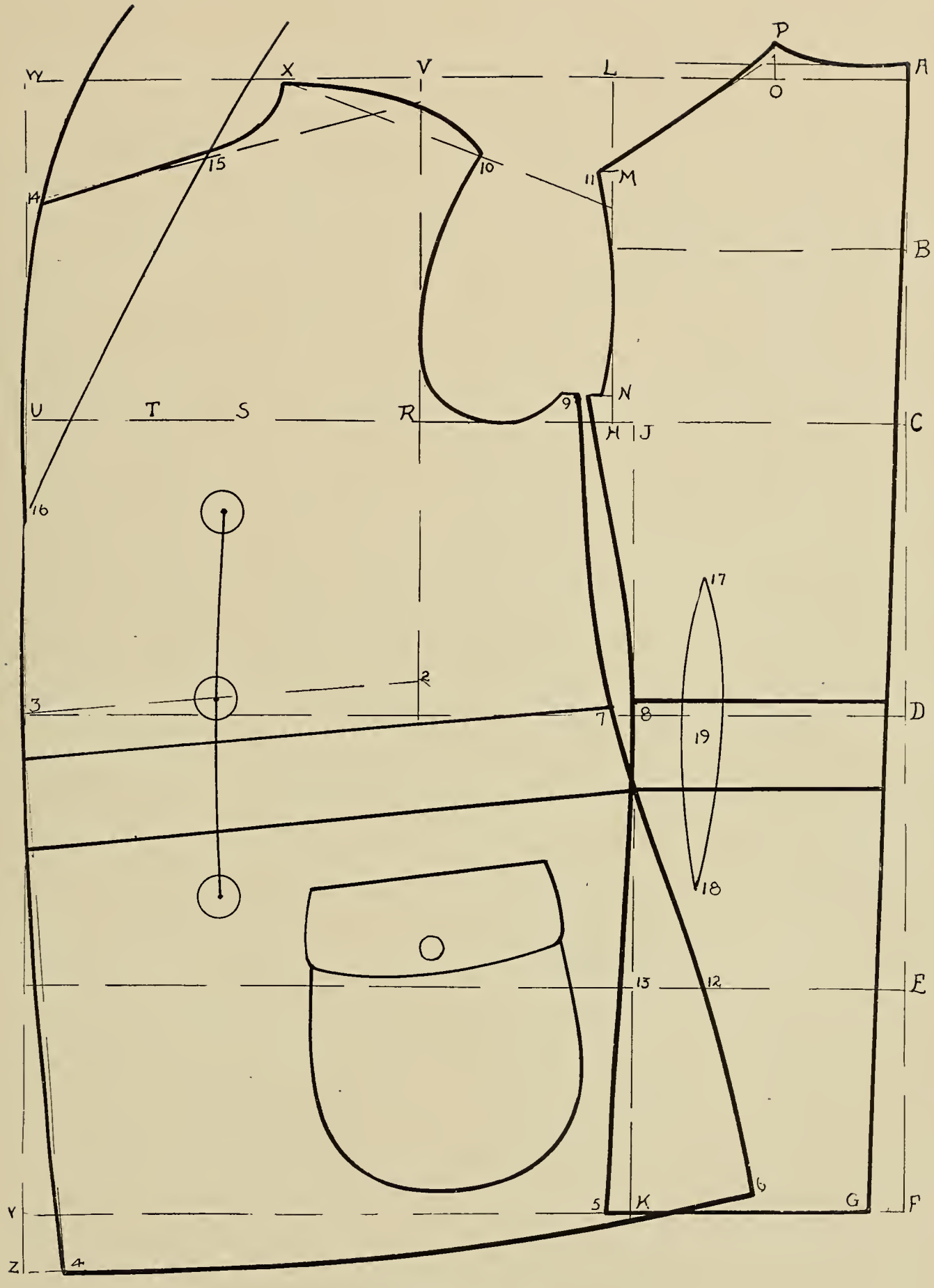
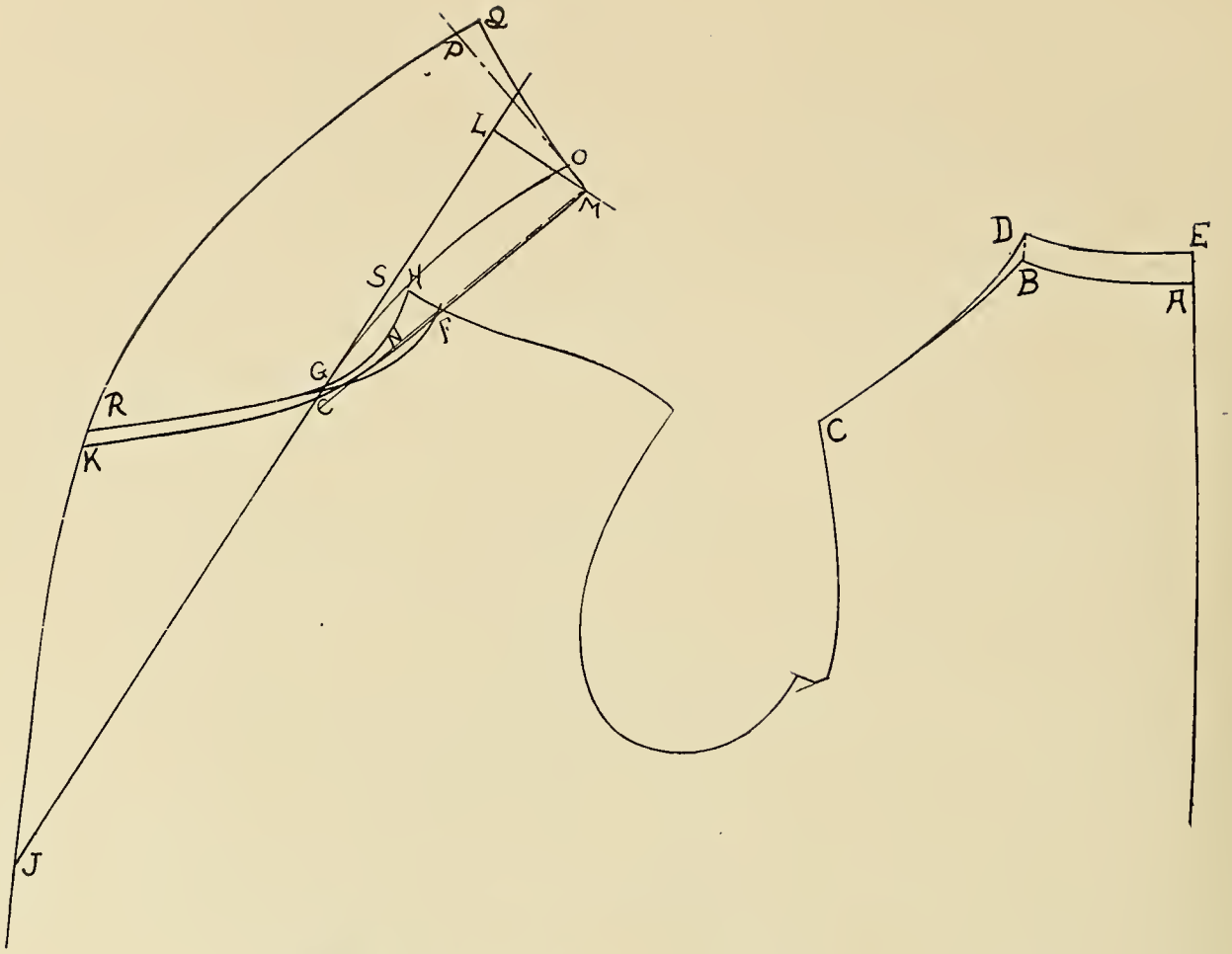


Diagram XVII



Drafting Shawl Collars

Diagram XVIII

THERE explain how shawl collars for mackinaws are drafted. If the stand is made ¾ inch wider than that here illustrated, the collar should be drafted without the addition on Back and Forepart.

Add ¾ inch of stand on back, as illustrated.
A to E is ¾ inch.
B to D is ¾ inch.
Draw line E-D.
Shape the shoulder D-C.
Add the ¾ inch on forepart, as illustrated.
F to H is ¾ inch.
Shape the gorge H-G-R.

COLLAR

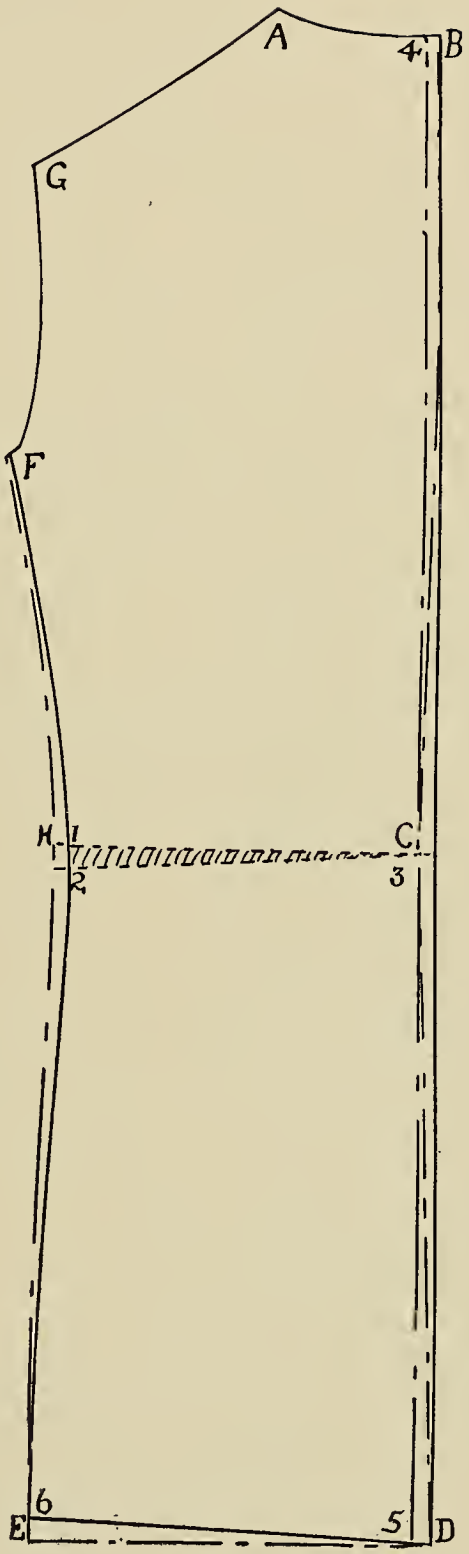
Extend the break J-G to L.
S to L is the width of back plus ¼ inch.
Square down from L to M.
L to M is ⅛ of breast.
Draw line M-N.
N is ¼ inch from G-H.
Square up from M to P.
M to O is ¾ inch, the width of stand.
Draw line O-G, the break.
O to P is 3½ inches.
P to Q is ½ inch.
Draw line M-Q.

Shape the under-seam of collar M-C-K, as illustrated.

Shape the outside seam of collar Q-R-K, which completes the draft.

Making A Whole Back

Diagram XIX



THIS shows how to make a whole back from a seam back. ABCDEHFG is the regular back. Draw line B-D. Place the back as indicated, so that the top and bottom point of the center seam will just touch the line B-D. Then split the back at the waist line from H to C, and take in ½-inch plait as indicated by lines 1 and 2. This will bring the entire center seam along the line B-D.

Reshade the side-seam F-6. Then add ½ inch from 6 to E, the original length of side-seam.

For a whole back, take off ¼ inch as indicated by the line 4-5.

This back can also be used on striped goods with a center seam by not taking off the seam, as described heretofore.

Convertible Collar Mackiaw

Diagram XX

THIS draft is made two sizes larger than the the regular sack coat draft. For double needle machine work bear in mind an extra allowance must be made at the shoulder, side and center back seams. Measurements:—Breast 36 inches, Length 34 inches.

THE DRAFT

Draw line A-B-C-D-E-F-G.
A to **B** is an inch and a half.
B to **C** is ¼ of 20 inches.
B to **D** is ½ of 20.
B to **E** is 17¾ inches.
B to **F** is 24 inches.
B to **G** is the full length or 34 inches.
Square out from points A-B-C-D-E-F-G.
E to **H** is ¾ inch.
G to **I** is ½ inch.
Shape the center seam A-H-I.
A to **J** is 1/6 of 36 plus ½ inch.
J to **K** is ⅝ inch.
Draw line A-K.
D to **L** is 1/3 of 19.
L to **M** is 2 inches.
Square up from M to **N**.
O is half way between N and line C.
M to **P** is 1/12 of 19.
P to **Q** is ¾ inch.
Draw line O-Q.
Square down from M to **R**.
S to **T** is ½ inch.
Shape the side seam Q T R, which finishes the back.

THE FOREPART

U is 2/3 of 19 from D.
U to **V** is 1½ inches.
Square up from V to W.
X to **W** is 1/6 of 19 plus 1 inch.
Draw line X O.
Z to **Y** is ½ inch.
Shape the shoulder and armhole X-Y and Y-Q.
2 to 25 is 2½ inches.
Take out ¼ inch at point Q.
Then shape the side seam Q-S 2-3, making it the same length as the side seam at the back.
5 is 19 inches from line A-H.
5 to 6 is 2½ inches.
6 to 7 is 1¼ inches, which gives us the center line.
Square up from 7 to 9 and down from 7 to 14.
7 to 8 is 3 inches or ½ the button stand.
Square down from 8 to 15.
17 is ¾ inch below the waist line.
Square 16-17-18.
9 to 10 is ⅛ of 19.
Square out from 10 to 12.
X to 11 is ¼ of 19.
11 to 28 is 3¾ inches.
Shape the neck, lapel front and bottom, which completes the forepart.

THE COLLAR

8 to 13 is 3½ inches.
X to 20 is ¾ inch.
Draw the crease line 13-20 31.
20 to 21 is the same width as top of back K to A.
Square down from 21-23.
21 to 23 is 1/6 of 19.
Draw line 23-22, which comes ¼ inch below line X-11, the neck.
Square line 22-23-27.
27-26 is ¼ inch.
Shape the back 23-26.
23 to 24 is 1¼ inches, the stand.
24 to 25 is ½ inch.
25 to 26 is 3 inches.
28 to 30 is ⅜ inch.
Shape the bottom of collar 23-11-30.
Draw the brake 24-22 and 25-11.
Shape the outside line 26-30, which completes the draft.

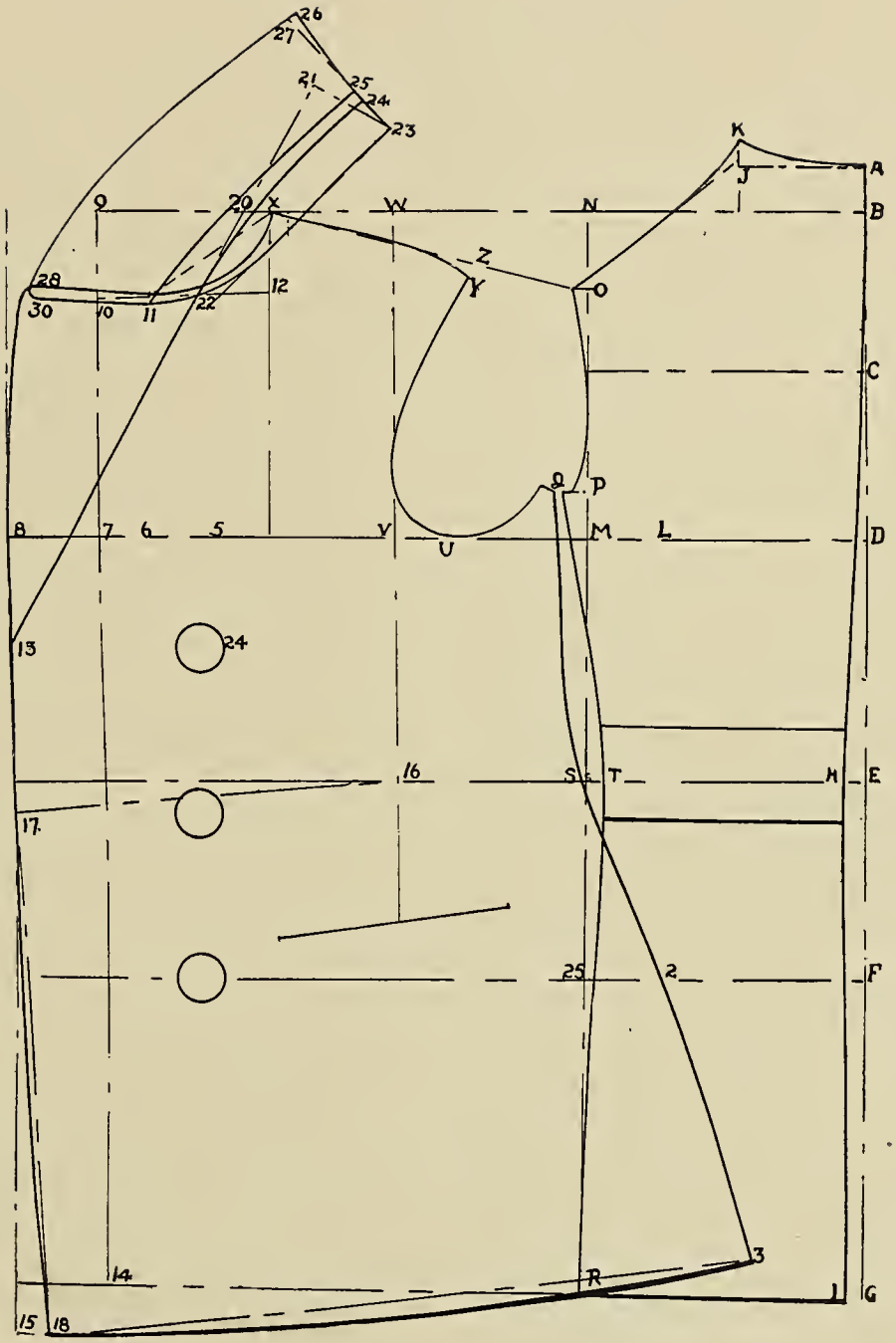

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Diagram XX

Military Collar Mackinaw

Diagram XXI

THIS draft is made 3 inches larger than actual breast measure. It is drafted a size still larger for the better grade goods; for cheaper make two sizes will do, similar to the shawl collar draft, as explained in a previous diagram. Measurements: Breast size, 38 inches; length, 34 inches

DRAFT

Draw line M-A-C-B-D-E-F.
M to **A** is ¾ inch.
A to **C** is ¼ of 21.
A to **B** is ½ of 21.
A to **D** is 17½ inches.
A to **E** is 24 inches.
A to **F** is the full length, or 34 inches.
Square out from points M-A-C-B-D-E-F.
F to **G** is 1¼ inches.
Draw line A-G.
A to **L** is 1/6 of 21 plus ½ inch.
Square up from L to M.
L to **M** is 1½ inches.
B to I is 1/3 of 20½ plus 2 inches.
Square up from I to J.
P is halfway between S and J.
Draw line N-P.
I to **Q** is 1/12 of 21.
Q to **R** is ¾ inch.
Draw line P-R.
I to **H** is ¾ inch.
Square down from H to K.
K to **O** is 1¼ inches.
Draw line R-O.
Shape the bottom, G-O.
For a whole back take off ¼ inch on line M-G.

THE FOREPART

B to **T** is 2/3 of 20½ plus 1⅜ inches.
Square up from T to **U**.
U to **V** is 1/6 of 20½ plus ½ inch.
Drop point of shoulder ¼ inch at V.
11 is half way between P and S.
Draw line V-11.
V to **10** is ¼ inch less than N to P.
Shape the shoulder 10-V and the armhole 10-13-R.
Take out ¼ inch at point **R.**
4 to 5 is ¼ inch.
6 is 2½ inches from line H-K.
Shape the side-seam R-4-6-7 and make it ⅛ inch longer than R-O.
W is ½ of breast, or 20½ inches from line M-G.
W to **X** is 2½ inches.
X to **Y** is 2 inches.
Square up from Y to 1 and down from Y to 17.
1 to 2 is 1/6 of 20½.
V to 3 is ¼ of 20½.
Shape the gorge and front, V-3-9-15-16.
Sweep from point V-7 to 17.
Draw line 17-16.
Shape the bottom, as illustrated, which completes the forepart.

THE COLLAR

The collar for a size 38 should measure 15½ inches. The under-collar should be drafted 1 inch larger, making it measure finished 16½ inches.
Draw line 1-2-3-4.
1 to 2 is 1½ inches.
2 to 3 is 8½ inches.
3 to 4 is ¾ inch.
Square down from points 1-2-3-4.
3 to 6 is 1/12 of 20½.
6 to 7 is 1½ inches.
7 to 8 is 3¼ inches.
Square out from 8 to 10.
2 to 5 is 1¼ inches.
Draw lines 6-2 and 7-5.
5 to 9 is 3 inches.
Shape the bottom, 8-9, and the front, 9-5-2, which completes the collar.

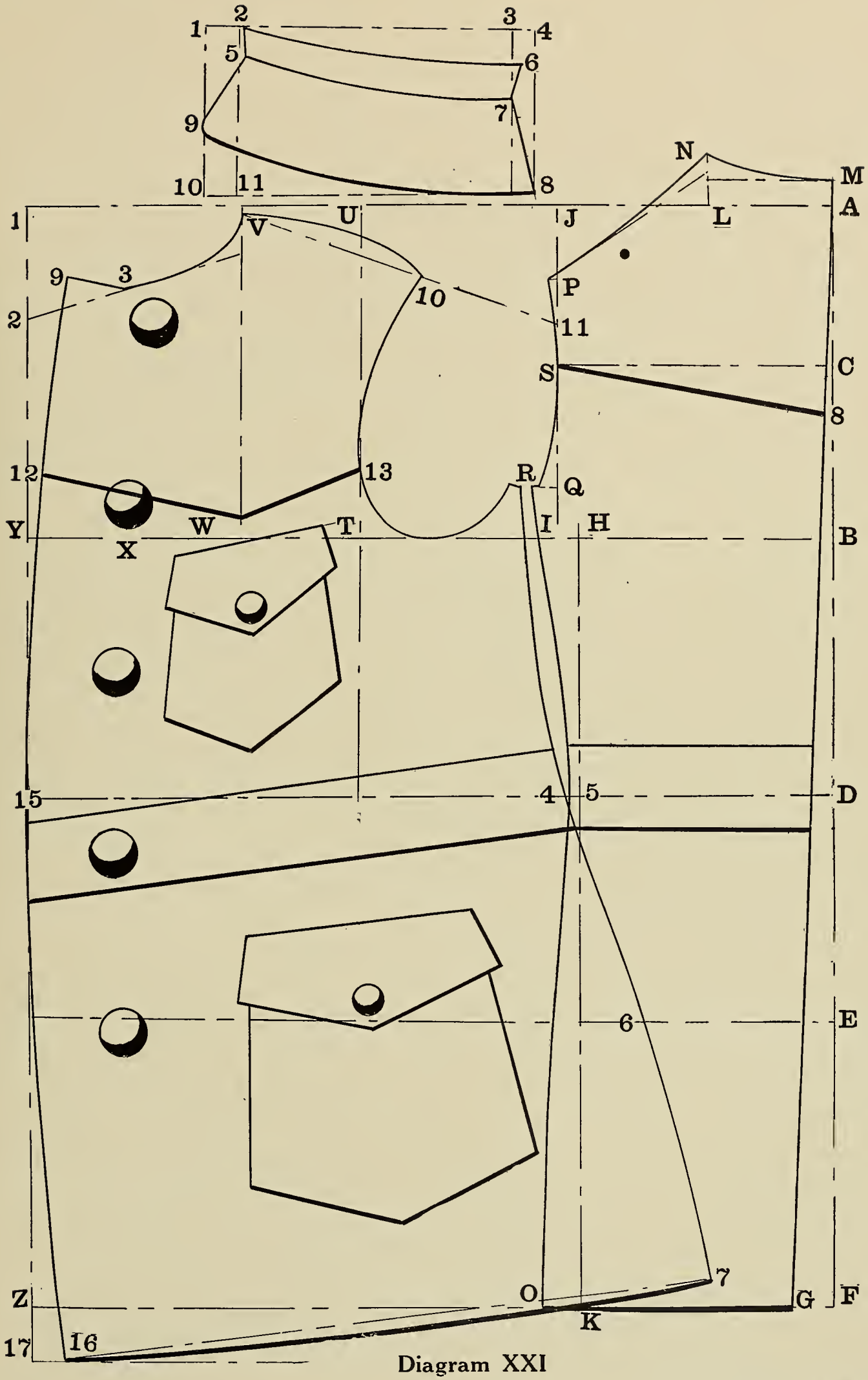


Diagram XXI

Stout Mackinaw

Diagram XXII

HEREWITH is illustrated a draft for a size 42 stout mackinaw. This coat is drafted on a basis of two sizes larger than the stout sack. The same rule applies to the distribution of fat as is explained for the regular stout sack coat. For a cheap grade of goods, the vee can be split similar to the stout work coat.

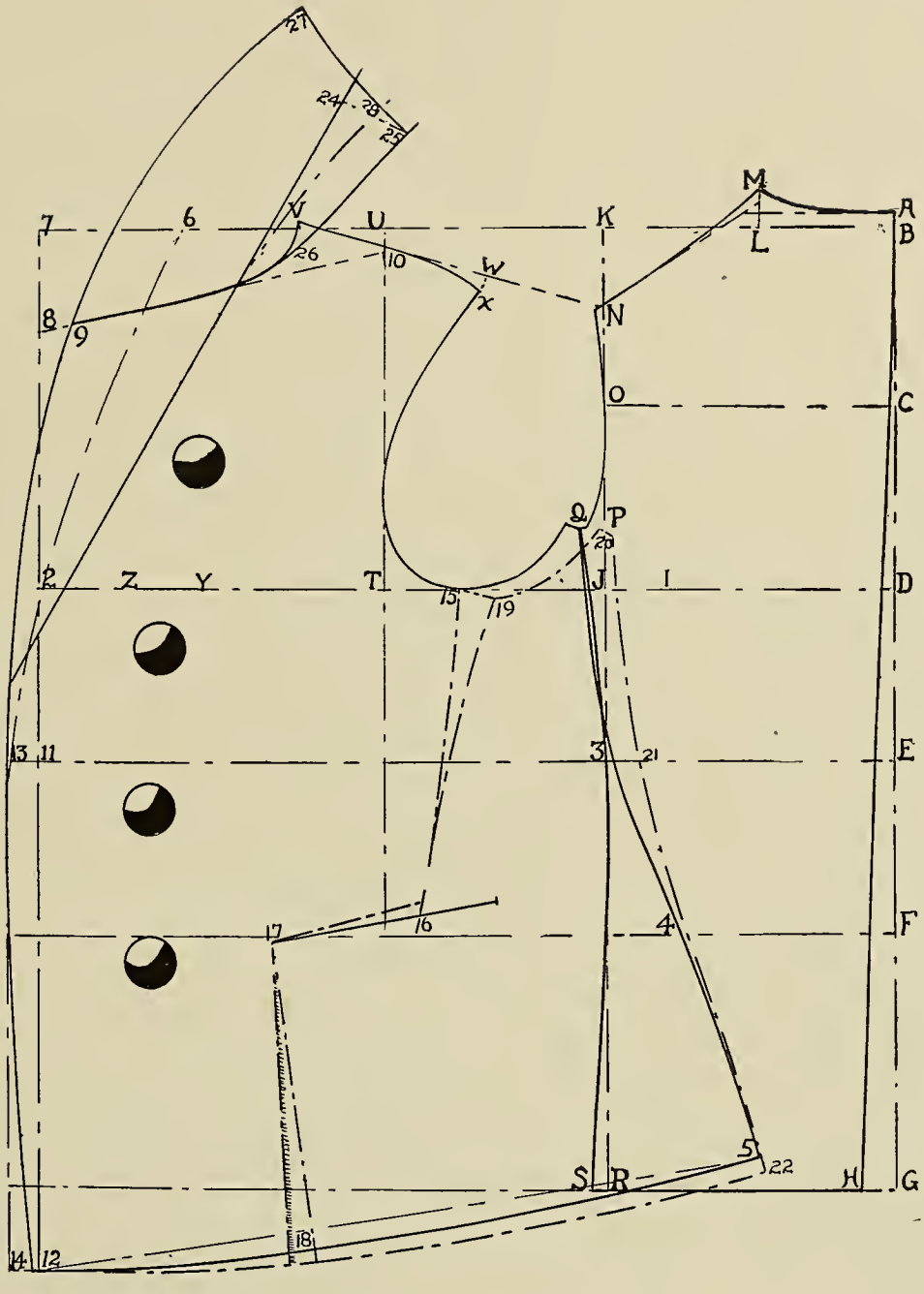


Diagram XXII

Shawl Collar Mackinaw Raglan Sleeve

Diagram XXIII

THE method used in drafting this sleeve can be applied to overcoats. The draft is made two sizes larger than the sack coat. Every point should be studied and memorized. Measurements: Breast size 36; length 33 inches.

THE DRAFT

Draw line A-B-C-D-E-F-G.
A to **B** is ¾ inch.
B to **C** is ¼ of 20.
B to **D** is ½ of 20.
B to **E** is 17½ inches.
B to **F** is 24 inches.
B to **G** is 33 inches, full length of coat.
Square out from points A-B-C-D-E-F-G.
G to **H** is 1¼ inches.
Draw line B-H.
B to **R** is 1/6 of 20.
Square up from R to S.
R to **S** is 1½ inches.
D to **J** is 1/3 of 19 plus 2 inches.
Square up from J to **O**.
Draw line S-P.
J to **Q** is 1/12 of 20.
Square out from Q to T.
Q to **T** is 1 inch.
Draw line S-T.
L to **M** is 1/3 of 20 plus 1 inch.
J to **K** is 1 inch.
Draw line K-M-N.
Shape the side-seam T-M-N, which completes the back.

THE FOREPART

D to **X** is 2/3 of 19 plus 1⅜ inches.
Square up from X to 4.
4 to 5 is 1/6 of 19 plus ½ inch.
Square down from 5 to 7.
5 to 7 is ¾ inch.
Draw line 7-12.
Shape the armhole 7-12-P.
Take ¼ inch at point T.
M to 13 is ½ inch.
V to 14 is 2½ inches.
Draw line 13-15.
Shape the side-seam P-13-15, making it ⅛ inch more than T-N.
D to **Y** is 19 inches.
Y to **Z** is 3½ inches.
Z to 3 is 2½ inches, ½ of button stand.
Square up from 3 to 6 and down from 3 to 10.
6 to 8 is 1/6 of 19.
Draw line 4-8.
8 to 9 is 10 inches.
Sweep from point 7, using 7-15 as a radius to establish point 10.
Draw line 15-10.
Shape the gorge, lapel and front and bottom, which completes the forepart.

THE SLEEVE

X to 12 is 1¼ inches.
12 to 40 is ½ of 19.
Square down from 40 to 20.
Make an arch from point U, using U-S as a radius.
Take the distance U-S and make an arch, using 40 as a center.
These two arches intersect at point 34.
Draw line 34-40.
32 is half way between 31 and 40.
34 to 35 is 1 inch.
Draw line 35-32.
X to 21 is 1¼ inches.
X to 22 is 1¼ inches.
Square down from X to 23.
23 to 24 is 1 inch.
24 to 25 is 1¼ inches.
24 to 26 is 1¼ inches.
Draw lines 21-25 and 22-26, hollowing out ¾ inch.
Square out from line 23 to 29.
24 to 29 is 7¼ inches.
Square down from 29 to 30.
29 to 30 is 1½ inches.
20 to 39 is ½ inch.
Draw lines 34-40 and 40-30.
Shape the inseam line 35-32-37.
Take the distance 12-7 and make an arch, using point 32 as a pivot.
Take the distance 12-7 and make an arch, using point 12 as the pivot, intersecting at point 33.
Draw line 33-32.
Draw line 33-36.
33 to 36 is 1 inch.
Shape the front part of sleeve 36-12-21.
Shape the inseam 33-38, which completes the top sleeve.

UNDER SLEEVE

40 to 17 is ¾ inch.
Draw line 17-30.
Shape line 17-W.
Draw the bottom 30-26, which completes the draft.

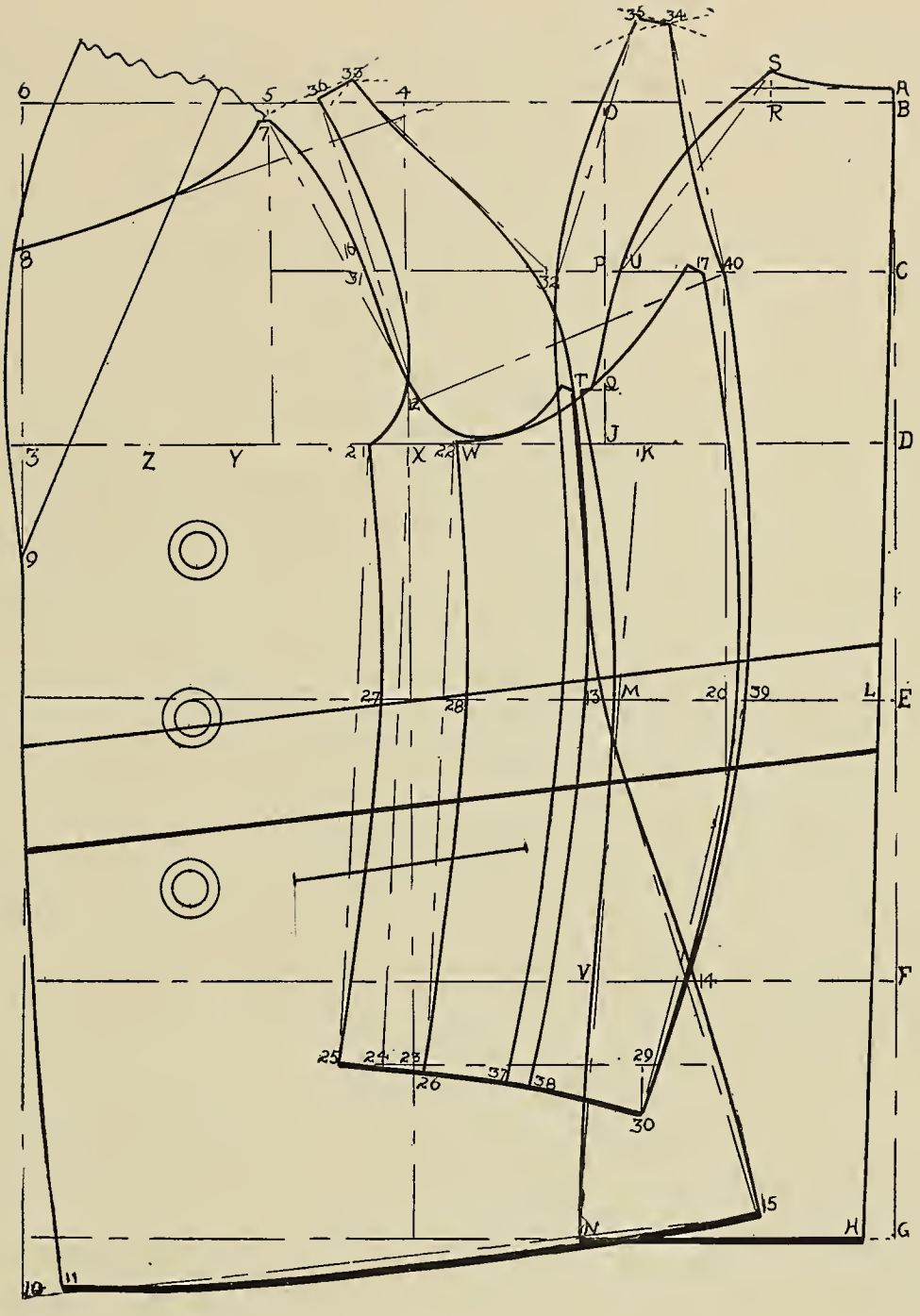


Diagram XXIII

Making Longs and Shorts From Regular Block

Diagram XXIV

MAKING Longs and Shorts from the Normal Block Pattern. The changes herein illustrated are made from the normal block pattern, which is figured on a basis of 5 ft. 8 in. in height. The short is figured for a 5 ft. 4 in. in height and the long is figured for a 6 ft. in height.

BACK.

BACDEFGH is the normal, 5 ft. 8 in.

To raise the height to 6 feet give ½ inch from B to 1 and A to 2.

From C to 3 on point of shoulder give ¼ inch or ½ the distance that the height is raised from A to 2.

At the waistline lower 1 inch from E to 4 and H to 5. This amount is exactly ¼ inch for every inch in height the man is above the normal.

Lengthen the coat from F to 6 and G to 7 two inches. (This amount can vary according to the style, but it should always be at least 1 inch longer than the normal.)

For the short, that is to lower the height to a 5 ft. 4, you will note that from A to 9 and B to 10 are ½ inch each; from C to 8 ¼ inch. (This is practically the same as the long, only the change is made in the opposite direction.)

Shorten the waistline as indicated from E to H and H to 12, which are 1 inch each.

Shorten the garment from F to 13 and G to 14, which are 1 inch each.

FOREPART.

LMNOPQRSTU is the normal forepart, 5 feet 8 inches.

To make a long or a 6-foot draw line L-N-17 from armhole notch through shoulder point.

N to 17 is ½ inch.

M to 18 is ¼ inch.

O to 19 is ¼ inch.

Reshape the shoulder and gorge as illustrated.

Draw line L-18.

Lower the waist 1 inch from Q to 20 and T to 21.

Lower the length of coat from R to 22 and S to 23, which are 2 inches each.

Reshape the side-seam.

Lower the pocket ½ inch from XX to 27 and XX to 28.

To make a short 5 foot 4 you do the opposite across the shoulder and neck as in the long.

N to 31 is ½ inch.

M to 32 is ¼ inch.

O to 34 is ¼ inch.

Reshape the shoulder and the gorge and the armhole 8-32.

Shorten the waist 1 inch from Q to 35 and T to 36.

Shorten the coat 1 inch from R to 37 and S to 38.

Reshape the side-seam and raise the pocket ½ inch from XX to 41 and XX to 42.

SLEEVE.

For long, add ¼ inch from V to 24 and reshape the ball of sleeve.

Lengthen the sleeve 1 inch from Y to 25 and Z to 26.

Reshape the outside seam.

For a short, take off ¼ inch from V to 30 and reshape the ball of sleeve W-30-L.

Shorten sleeve 1 inch from Y to 39 and Z to 40.

Reshape the side-seam.

For all heights for every inch over or under 5 ft. 8 in., the normal, lengthen or shorten the sleeve ¼ inch as the case may be.

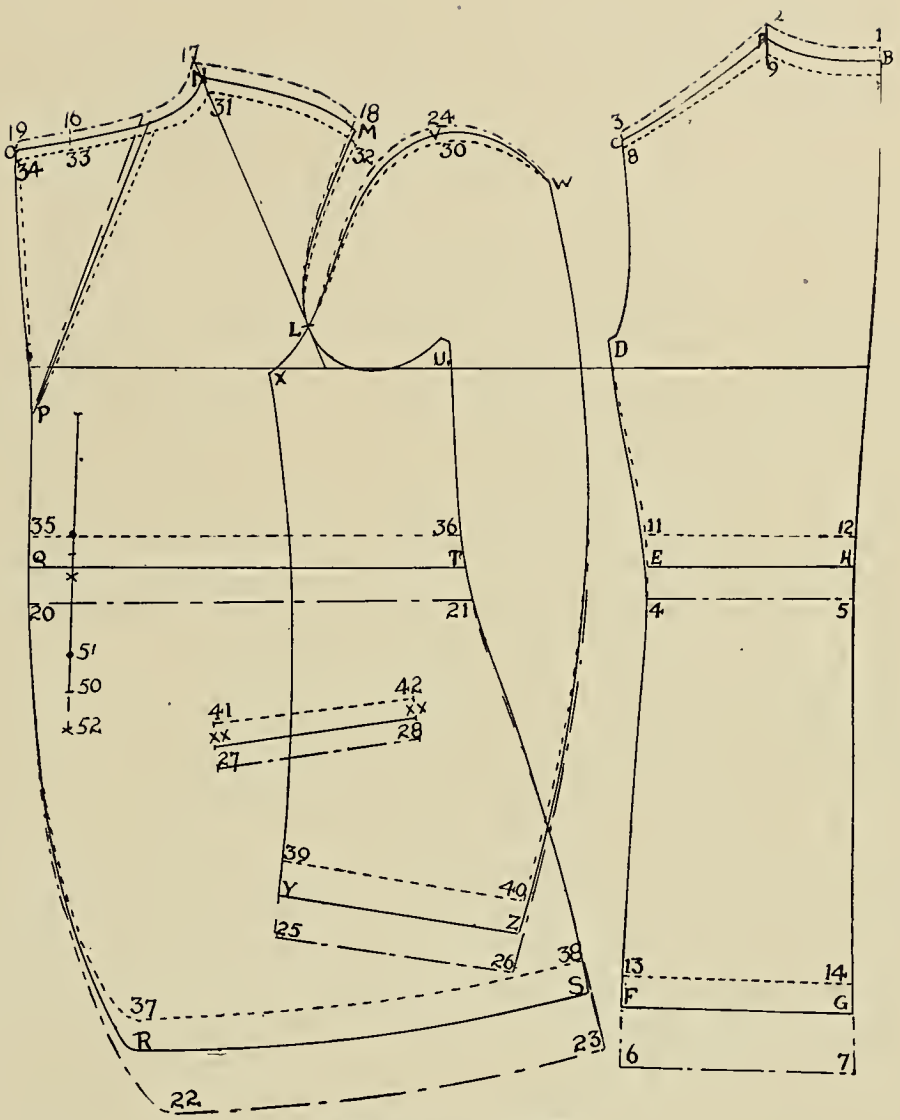


Diagram XXIV

Mail-Order Changes

THE following diagrams explain in detail varying changes used in mail order houses. These changes are made to one degree, or ¼ inch on square and sloping shoulders and ⅜ on stooping and erect forms. The same principle applies to the various degrees from ¼ to ¾ inch.

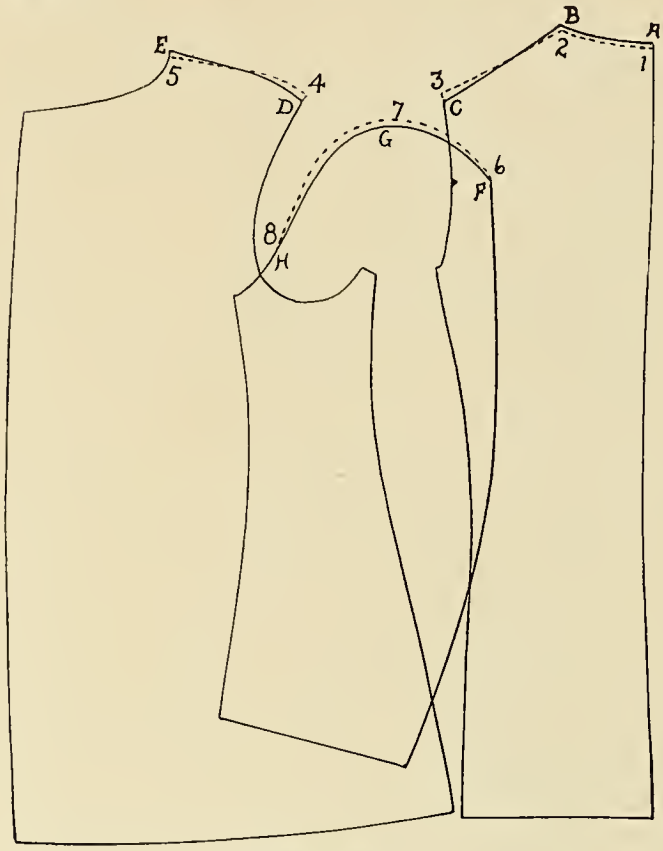


Diagram A

DIAGRAM A

Making a square shoulder from the normal block.

BACK

A to 1 and B to 2 is ⅛ inch.
G to 3 is ¼ inch.
Reshape the neck and shoulder.

FOREPART

E to 5 is ⅛ inch.
D to 4 is ¼ inch.
Reshape the shoulder.

SLEEVE

6 to 7 is ¼ inch.
Reshape the ball of sleeve.

DIAGRAM B

THESE diagrams show how to make a sloping shoulder from the normal block.

BACK

F to 6 is ¼ inch.
Reshape the shoulder.

FOREPART

B to 2 is ¼ inch.
C to 3 is ¼ inch.
D to 4 is ¼ inch.
Reshape the shoulder and armhole.

SLEEVE

1 to 5 is ¼ inch.
Reshape the ball of sleeve.

DIAGRAM C

Making a stoop from the normal block.

BACK

Swing in the back as illustrated.
H to 9 and G to 8 is ⅜ inch.
I to 10 is ¼ inch.
J to 11 is ¼ inch.
Reshape the back as illustrated.

FOREPART

Swing the forepart forward ⅜ of an inch, using the notch of armhole as a pivot.
A to 3 and 2 to 3 is ⅜ inch each.
B to 4 is ⅜ inch.
Reshape shoulder front and armhole.

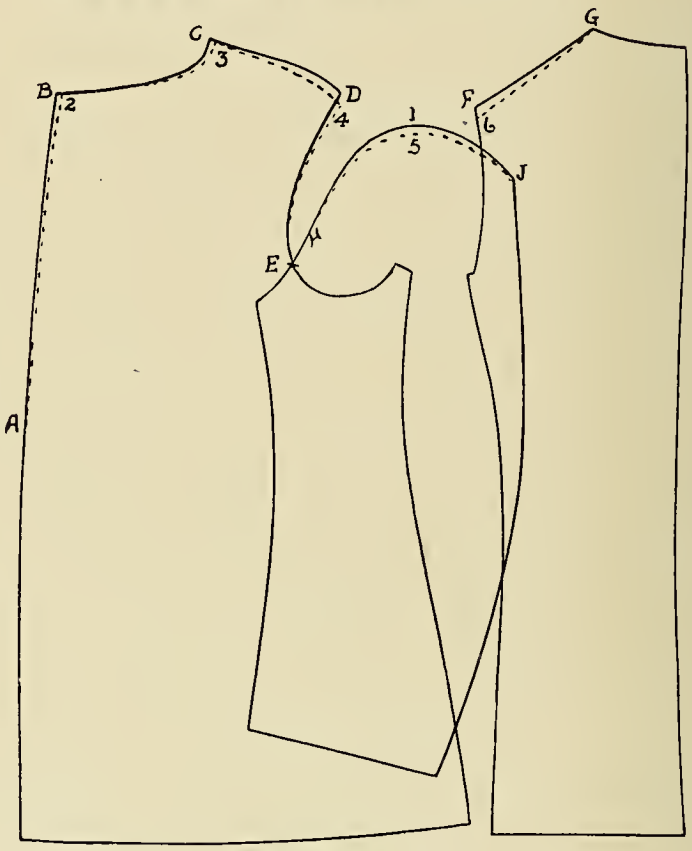


Diagram B

DIAGRAM D

Making an erect from the normal block.
The change is made the opposite from the stoop.

BACK

H to A and G to H is ⅜ inch each.
F to 6 is ⅜ inch.
Reshape the back.

FOREPART

A to 3 and 3 to 4 is ⅜.
B to 5 is ⅜.
Reshape the front.

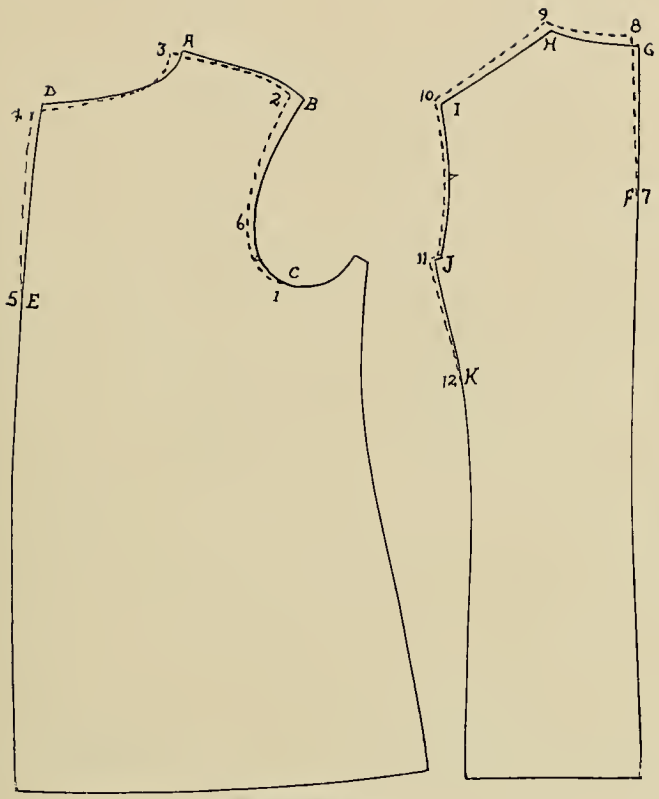


Diagram C

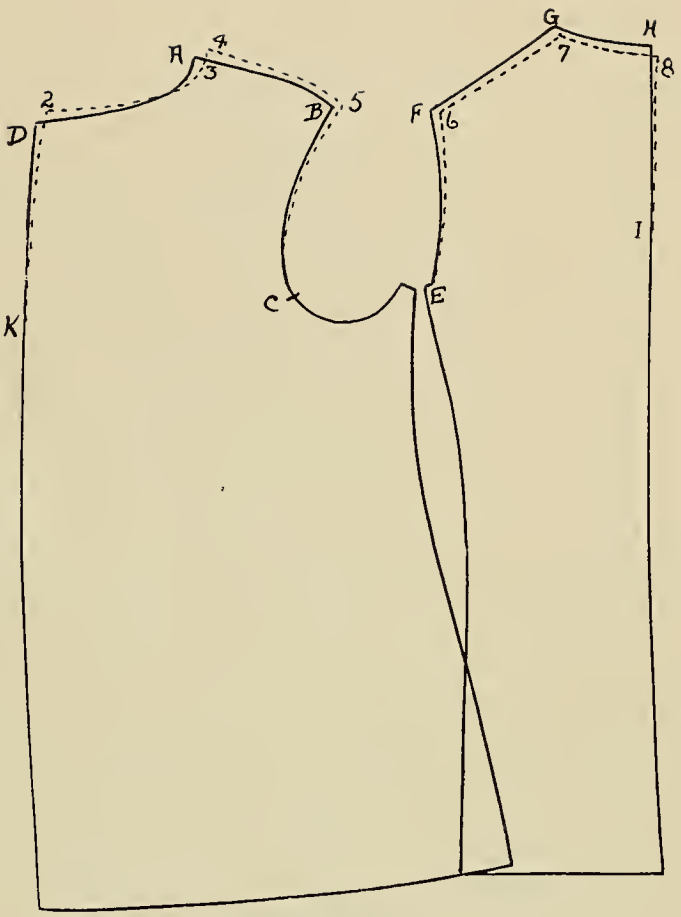
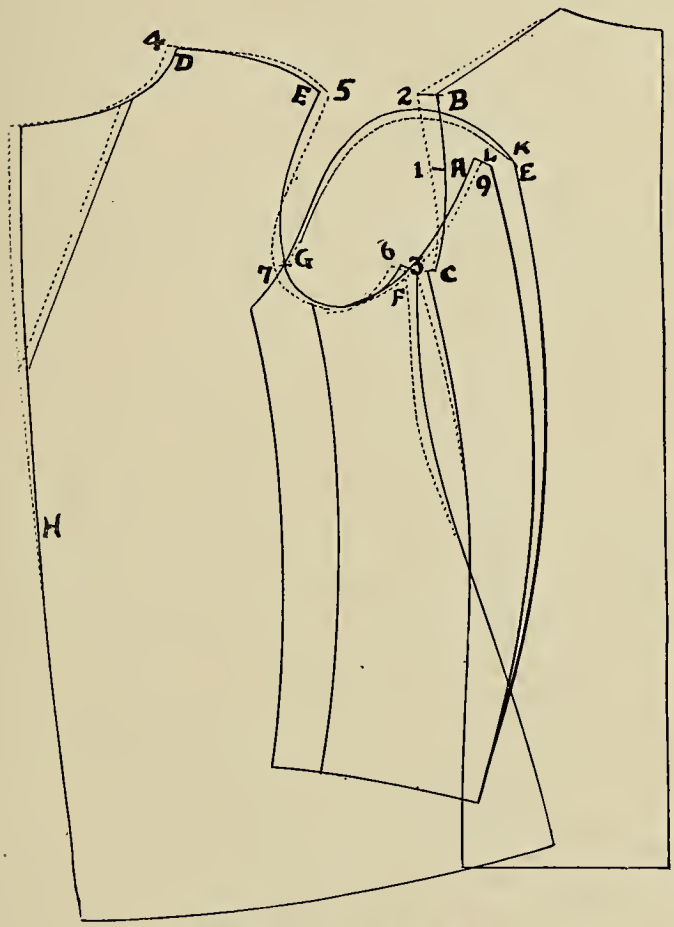


Diagram D



Making A Wide Back

MAKING A WIDE BACK

THIS diagram illustrates the change I make in making a back ¾ inch wider than the normal block pattern.

A to 1 is ¾ inch.
B to 2 is 1 inch.
C to 3 is ½ inch.

Reshape the back as indicated by the dotted lines.

FOREPART

G to 7 is ½ inch.
D to 4 is ⅜ inch.

Extend the forepart at front ⅜ inch as illustrated by the dotted lines. Reshape the shoulder and armhole, making the shoulder to correspond with the shoulder of back.

3 to 6 is ½ inch.

Reshape the side-seam.

SLEEVES

Take ⅜ inch off head of top sleeve, as illustrated by dotted line. Then hollow out under sleeve ¼ inch, as illustrated by line L-F.

[Mail Order Changes, Continued on Next Page]

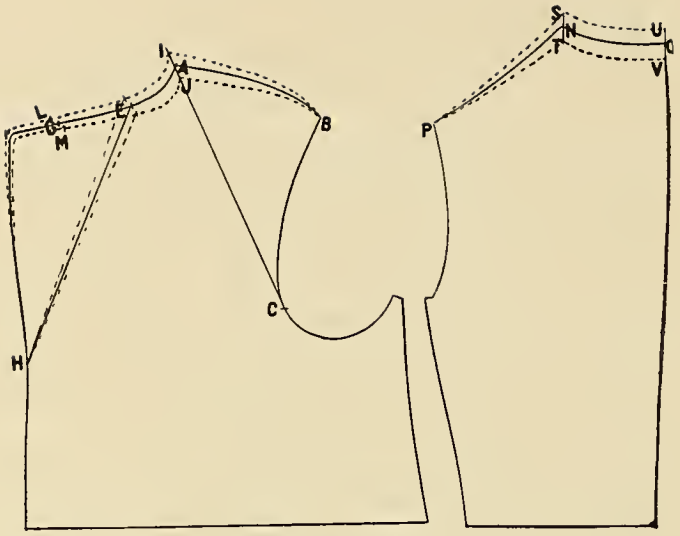


Diagram E

DIAGRAM E

Making a long and short neck.

BACK

O to U and H to S is ¼ inch each.
O to V and H to T is ¼ inch each.
Reshape the neck and shoulder.

FOREPART

Draw line C-A from notch through shoulder point.
A to I and A to J is ½ inch each.
O to M and O to L is ¼ inch each.
Reshape shoulder and neck.

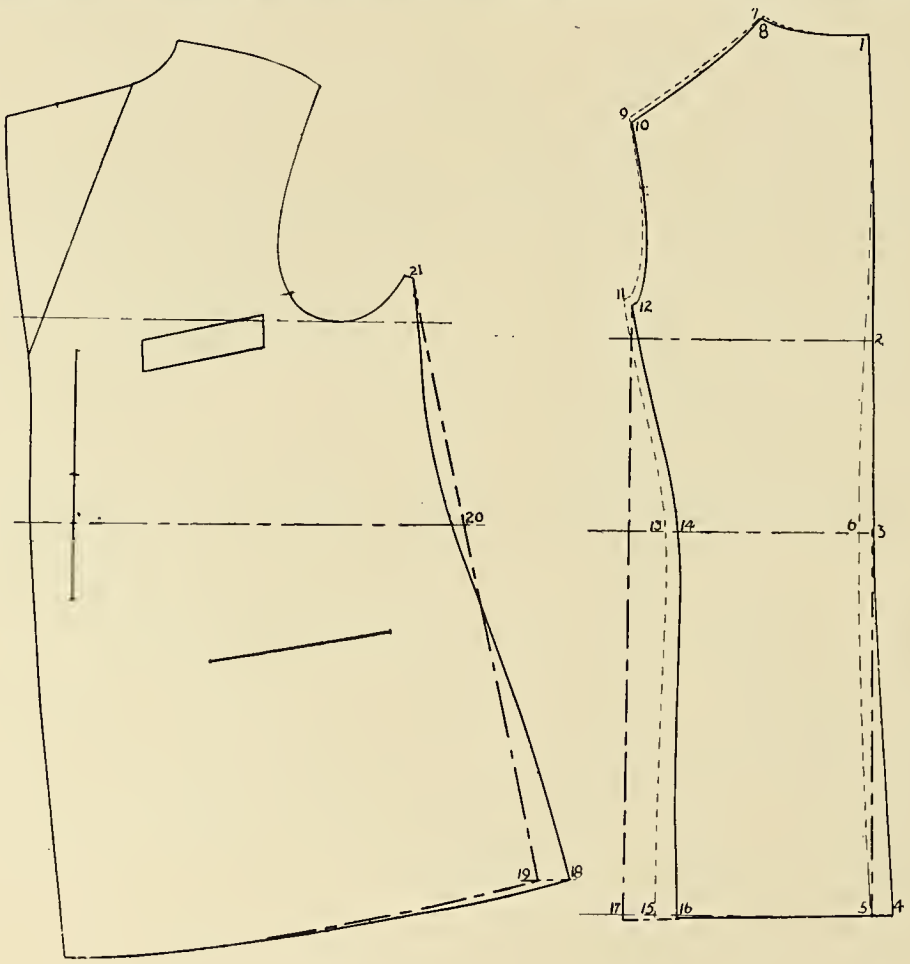
Making A Box Back From A Regular Sack Coat

BACK

DRAW the construction line 1-5. Then swing out your back ¾ inch from 5 to 4, using point I as a pivot. This brings your back in ⅜ of inch from 15 to 16, and your point 11 will lower to 12. 16 to 17 is 1½ inches. Draw line 12-17 and 3-5, taking off ¾ inch at center seam, which completes the change on the back.

FOREPART

From 18 to 19 is 1 inch. Draw line 21-20-19 so as to make the side seam straight. Reshape the bottom. Measure side seams so that they are equal in length, which completes the change.



Men's and Boys' Proportions

BOYS'

AGE	Breast	Waist	Seat	Waist Length	Full Length	Sleeve	Wrist	Sleeve Inseam	Neck
4	23	23	26	11 1/3	18	17 1/2	8 1/2	10	11
5	23 3/4	23 1/2	26 5/8	11 2/3	18 5/8	18 1/2	8 3/4	10 1/2	11 1/4
6	24 1/2	24	27 1/4	12	19 1/4	19 1/2	9	11	11 1/2
7	25 1/4	24 1/2	27 7/8	12 1/3	19 7/8	20 1/2	9 1/4	11 1/2	11 3/4
8	26	25	28 1/2	12 2/3	20 1/2	21 1/2	9 1/2	12	12
9	26 3/4	25 1/2	29 1/8	13	21 1/8	22 1/2	9 3/4	12 1/2	12 1/4
10	27 1/2	26	29 3/4	13 1/3	21 3/4	23 1/2	10	13	12 1/2
11	28 1/4	26 1/2	30 3/8	13 2/3	22 3/8	24 1/2	10 1/4	13 1/2	12 3/4
12	29	27	31	14	23	25 1/2	10 1/2	14	13
13	29 3/4	27 1/2	31 5/8	14 1/3	23 3/4	26 1/2	10 3/4	14 1/2	13 1/4
14	30 1/2	28	32 1/4	14 2/3	24 1/2	27	11	15	13 1/2
15	31 1/4	28 1/2	33	15	25 1/4	27 3/4	11 1/4	15 1/2	13 3/4
16	32	29	33 3/4	15 1/3	26	28 1/2	11 1/2	16	14
17	33	29 1/2	34 1/2	15 2/3	26 3/4	29 1/4	11 3/4	16 1/2	14 1/4
18	34	30	35 1/2	16	27 1/2	30	12	17	14 1/2
19	35	31	36 1/2	16 1/3	28 1/4	31	12 1/4	17 1/2	14 3/4
20	36	32	37 1/2	16 2/3	29	32	12 1/2	18	15

MEN'S

Breast.	Waist.	Seat.	Waist Length.	Width of Back.	Full Length.	Outside Sleeve Lg.	Sleeve Inseam.	Cuff	Vest Length.	Rise	Neck
34	30	36	16 1/2	6 5/8	30	30 1/2	17 1/4	12	24 3/4	9 1/4	14 1/2
35	31	37	16 3/4	7	30 1/2	31	17 1/2	12 1/4	25 1/8	9 1/2	14 3/4
36	32	38	17	7 1/6	31	31 1/2	17 3/8	12 1/2	25 1/2	9 3/4	15
37	33 1/4	39	17 1/4	7 2/6	31 1/4	32	18	12 3/4	25 7/8	10	15 1/4
38	34 1/2	40	17 1/2	7 1/2	31 1/2	32 1/2	18	13	26 1/4	10 1/4	15 1/2
39	35 3/4	41	17 5/8	7 3/4	31 3/4	33	18	13 1/4	26 5/8	10 1/2	15 3/4
40	37	42	17 6/8	7 5/6	32	33 1/4	18	13 1/2	27 1/8	10 3/4	16
41	38 1/4	43	17 7/8	8	32 1/8	33 1/2	18	13 3/4	27 1/2	11	16 1/4
42	39 1/2	44	18	8 1/8	32 1/4	33 3/4	18	14	27 7/8	11 1/4	16 1/2
43	40 3/4	44 1/2	18 1/8	8 1/4	32 3/8	33 7/8	18	14 1/8	28 1/4	11 1/2	16 3/4
44	42	45	18 1/4	8 3/8	32 1/2	34	18	14 1/4	28 1/2	11 3/4	17
46	46	46	18 3/8	8 5/8	32 1/2	34	18	14 3/8	28 3/4	12 1/4	17 1/2
48	48 1/2	48	18 1/2	8 7/8	32 1/2	34	18	14 1/2	29	12 3/4	18
50	51	49	18 5/8	9 1/8	32 1/2	34	18	14 1/2	29 3/8	13 1/4	18 1/2
52	54	50	18 6/8	9 3/8	32 1/2	34	18	14 1/2	29 3/4	13 3/4	18 3/4

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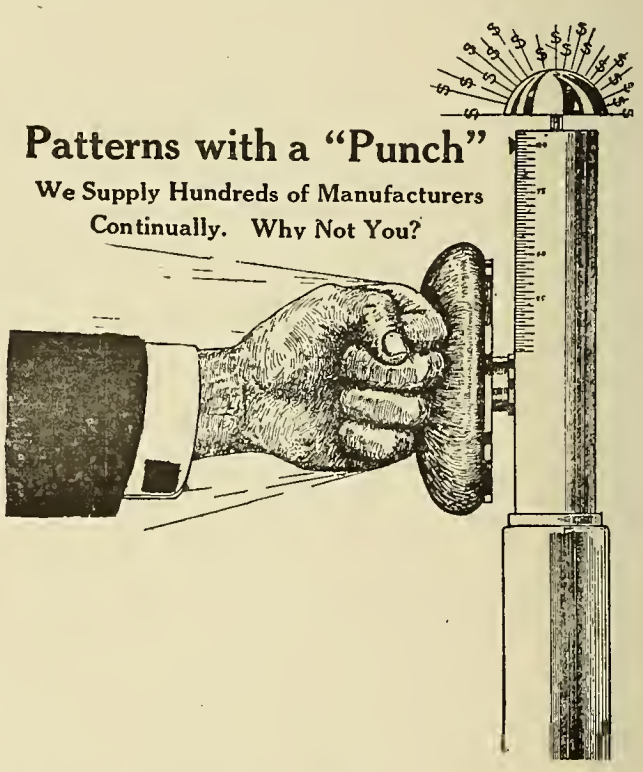

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